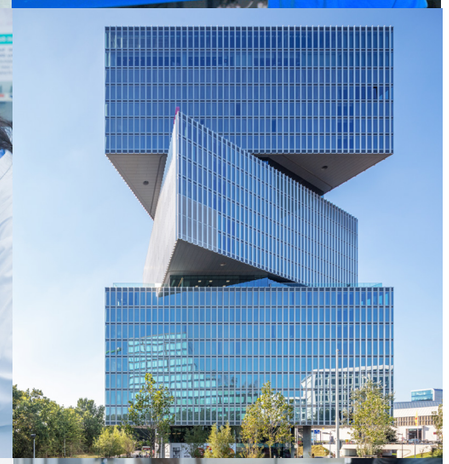
TECHNOFORM

Standard profiles 2026

Insulation solutions for windows, doors, and facades.



Standard profiles for windows, doors, and facades

Find your perfect match – our standard profile solutions

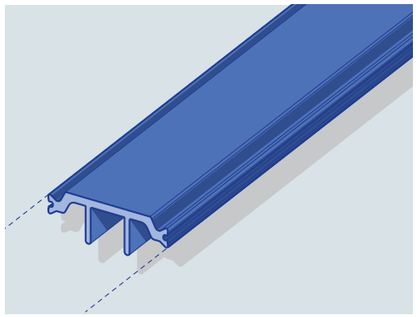
Our standard offering comprises more than 880 freely available geometries for varying markets and needs. High quality solutions can be created using the insulating profiles in the standard program. All serial products can be rapidly supplied in any length and quantity to any location in the world, thanks to our global network of 13 production sites and more than 45 sales offices. Our specialists will gladly assist you with your project from the planning and development stage up to the finished product.

Low Lambda Polyamide – thermal break has a new value

On the path towards an optimized Uf value, we have also developed a new standard: our Low Lambda Polyamide. With this innovation we can now offer you two possibilities to match your requirements. Choose between a reduced Uf value by maintaining the same frame size or a smaller frame while leaving the Uf value unchanged.

Our materials - always rely on the best

When it comes to our materials, you can be assured that we are only satisfied with the best. Thus, we offer a major material variety to find the perfectly tailored solutions for every project. High precision for processing, compatibility, environmentally friendly production and best mechanical performance are just some of the characteristics you can rely on.



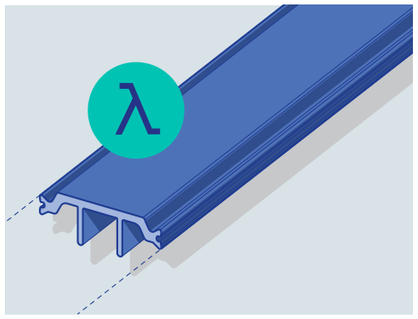
Standard Polyamide / PA 66 GF25, dry impact resistant

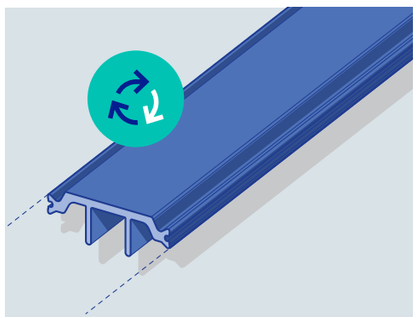
With our standard polyamide-based material we guarantee unlimited availability and recyclability as well as excellent performance to match your needs.

Low Lambda Polyamide

With our innovative Low Lambda polyamide-based material you get a certified and reliable Lambda value of 0.21 W/(mK)* and with it the best all around solution.

* 0.198 W/(mK) under ASTM C518-17, Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus





Recycled Polyamide

To take a step further in the increased use of eco-friendly materials, we offer recycled polyamide-based material that fulfills our high quality and processing standards. This includes both Standard PA 66 GF25 and Low Lambda options, ensuring a versatile range of sustainable solutions tailored to your needs.

Low Lambda, the new standard

Standard profiles Low Lambda Polyamide

Our profiles are extruded in Low Lambda PA 66 GF25, dry impact resistant

000000 Article Number / 000000 New Article /
*Article production in America or Asia / #Head not compatible to Standard Groove

12 mm

839200

16 mm

855400

870900

856000

20 mm

824300

835200

830600

870031

834600

842700

845700

829300

21 mm

863000

22 mm

817700

847500

842300

870011

818000

23 mm

833100

24 mm

870100

842400

853300

804100

828300

833800

842200

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854100

834000

853400

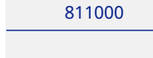
828200

848600

852900

804200

811000



870006

854700

858500

858400

24.8 mm

850800

845600

847600

829200

855300

857600

855200

858800

863700

857500

26 mm

824200

859700

870010

27 mm

854800

28 mm

863800

809700

806100

871100

850300

803300

805900

850400

809600

803200

873200

Standard profiles Low Lambda Polyamide

Our profiles are extruded in Low Lambda PA 66 GF25, dry impact resistant

000000 Article Number / 000000 New Article /
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29 mm

815200

824100

824000

29.5 mm

870050

870051

870052

30 mm

846500

800200

809800

860000

859800#

32 mm

867000

872100

823600

861700

803000

851700

803100

870400

806300

34 mm

821100

807600

849100

802200

857900

800900

872400

833300

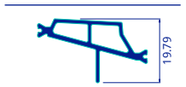
811800

823800

833200

862200

835300



838700

831400

866200

802800

838600

855100

813300

866100

811500

813200

825300

838500

849200

830100

861300

821000

846300

857800#

34 mm

34.8 mm

870004

35 mm

816900

36 mm

851100

809900

840200

851600

870059

37 mm

829900

813700

38 mm

863900

843600

808000

39 mm

873700

810800

827300

801600

842000

827200

805100

801500

842100

821300

827100

855500

Standard profiles Low Lambda Polyamide

Our profiles are extruded in Low Lambda PA 66 GF25, dry impact resistant

000000 Article Number / 000000 New Article /
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39 mm

801400

823400

805000

800800

40 mm

841900

806400

865600

42 mm

806800

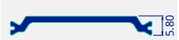
862500

849900

845400

862400

44 mm



810700

863500

863600

45 mm

808100

46 mm

870013

870037

852600

870038

840000

840100

835700

835600

839900

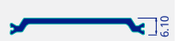
849800

862600

48 mm

861900

50 mm



812800

54 mm

812600

812500

822900

55 mm

833500

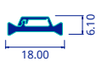
58 mm

862000

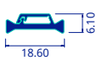
60 mm

862100

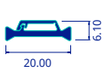
Anti bi-metal



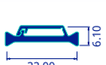
870028



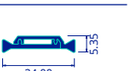
835800



850900



835900



870600

835400

851000

870029

871000

810000

824600

850200

853500

Profiles for sliding doors

863400

851800

870049

870500

872200#

Hidden sash

870032

859600

870018

864000

870061

870039

Curtain wall spacers

871200

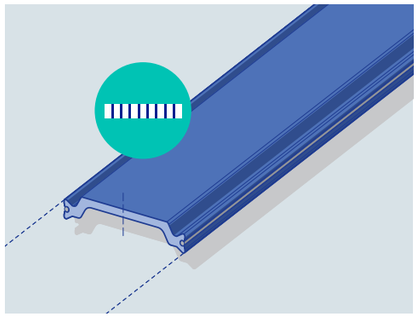
860900

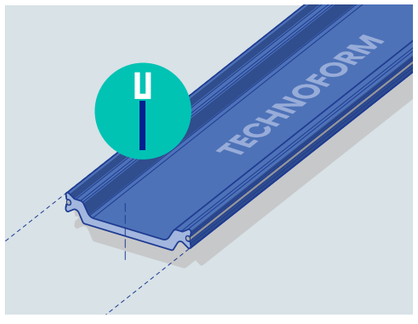
Our principle: we optimize your processes and you have more time for the important things

Insulation for aluminum windows, doors, and facades can always be optimized and improved to hit peak performance. Our specialized processing methods can streamline your workflow and leave you to focus on the rest.

Glue wire

If you need to add extra steps to your production process, we know that this can be a drain on time and money. Adding glue wire to a profile reduces the loss of shear strength due to powder coating, and we can pre-install it for you, meaning no extra processes or added headaches on your end.



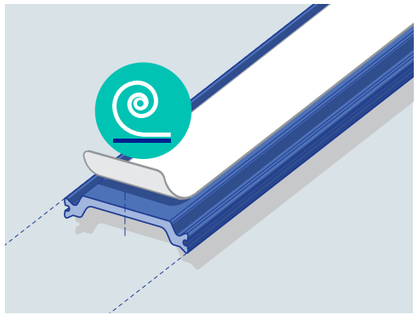


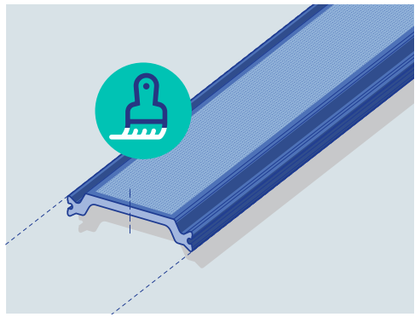
Lasermarking

Sometimes it's little touches that add quality and functionality to a product. By having your profiles lasermarked, you can increase your brand visibility, adding value to your products, or simply make them easier to trace for improved logistics and quality control.

Adhesive film

Maintaining the visual appearance of a smoothly produced profile presents a different aesthetic challenge. Supplying profiles with an adhesive film already applied protects them during the coating process, and means they remain looking as smooth and high-quality as they did when they left the plant.





Coating Prime

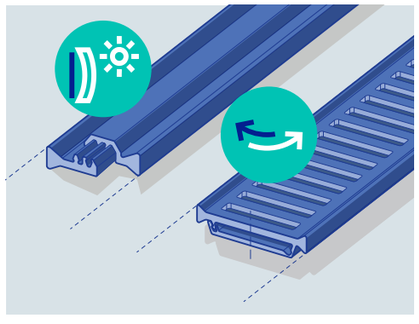
Achieve an excellent surface finish in polyamide coating by optimizing powder paint deposition while maintaining the low thermal conductivity of polyamide.

Coating Prime enhances paint adhesion to polyamide, increases the attraction of powder paint, and reduces bubble formation during the curing process.

Your challenge is our motivation

Solutions for sliding windows and doors

Sliding windows and doors are popular in modern architecture for their aesthetic appeal and functionality. Achieving thermal optimization, visual minimalism, and smooth mechanical operation requires precise manufacturing. Technoform profiles are crafted with tight tolerances, exact geometry, and smooth surfaces for friction-free movement.

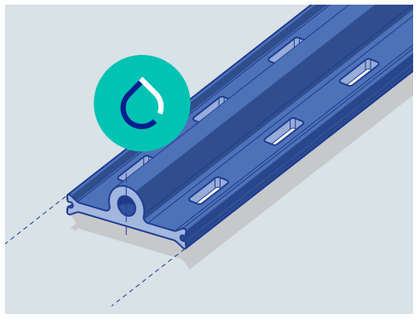


Anti bi-metal

The so-called bi-metallic effect occurs when there is a large difference in temperature between the inner and outer frame of a door. The outer frame expands and can cause distortion of the door and locking difficulties. Our solution allows the outer frame to expand with only minimum effect to the fit of the inner frame, meaning it continues to function as normal.

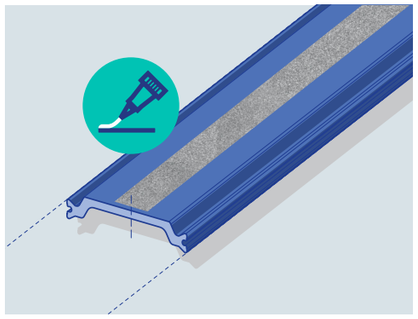
Drainage

French NF DTU 39 P1-1 regulation stipulates that windows must have drainage holes for water to filter through the profiles. By supplying profiles with drainage holes means that fabricators do not need to drill these holes themselves, thereby adding value to the product they sell.



Adhesion Prime - the ultimate solution for Polyamide-to-Material bonding

The bonding of components in aluminum windows with thermal break is a critical process for system manufacturers, designers, and installers, demanding precision and reliability. To address this challenge, Technoform has introduced Adhesion Prime, an innovative and patented solution designed to significantly enhance the adhesion properties of polyamide. This breakthrough ensures a superior bond between the adhesive and the substrates.

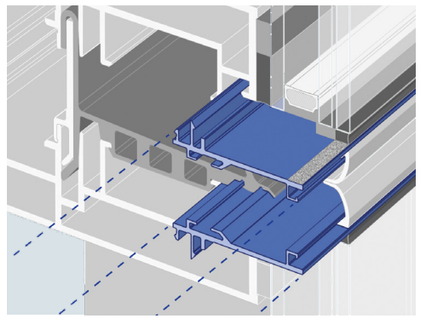


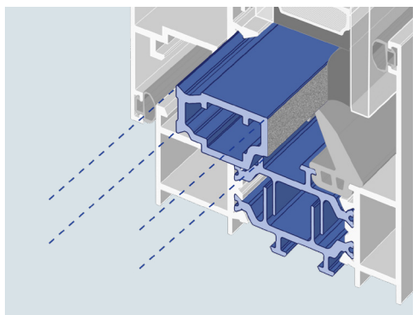
New possibilities

The ability to achieve optimal adhesion between polyamide and the substrate significantly expands design options for systems and structural solutions, enabling innovations that were previously beyond our reach.

Unitized curtain walls

Adhesion Prime allows sealing the glazing unit with silicone from the edge to an adjacent element, usually aluminum.



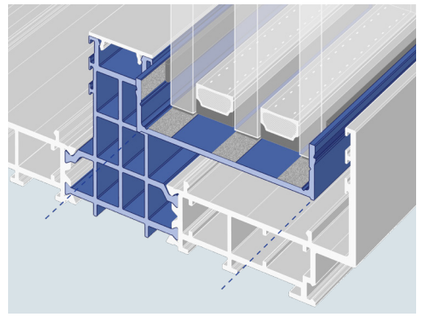


Hidden sash

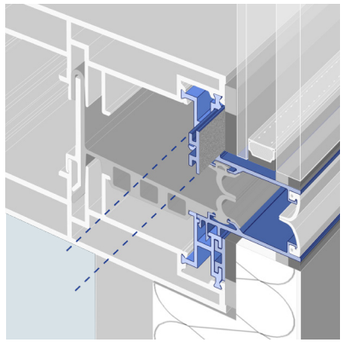
Adhesion Prime enables bonding between the glazing and the sash profile through polyamide strips, achieving a more seamless integration between the glazing and the frame. This innovation eliminates the need for external glazing beads and joints on the sash, streamlining the design. Additionally, it enhances the rigidity of the sash, providing improved structural stability and performance.

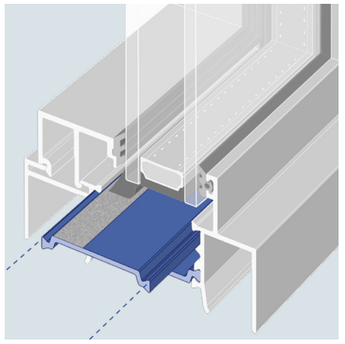
Minimalist sash of sliding system

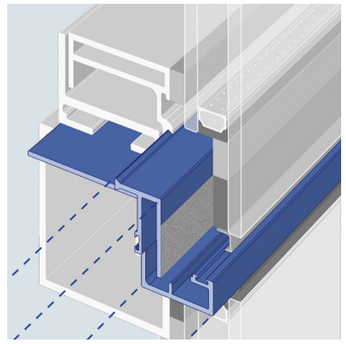
Designed with a minimal frame to maximize transparency, these systems emphasize a clean, elegant aesthetic. However, the polyamide profile, crucial for superior thermal performance, can pose challenges in bonding with other materials. To overcome this, Adhesion Prime enables polyamide to bond with glazing as effectively as aluminum, creating a durable assembly that glides effortlessly along the frame's rail.

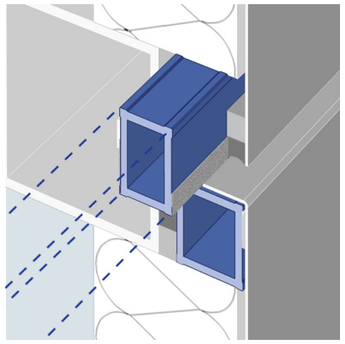


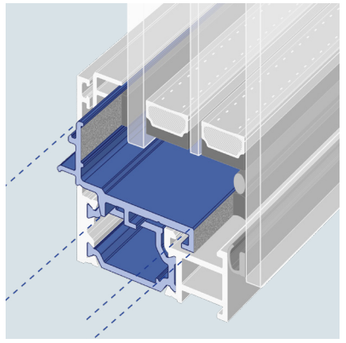
Endless possibilities

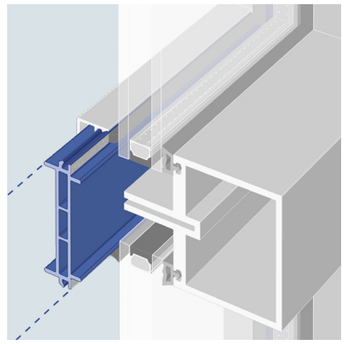


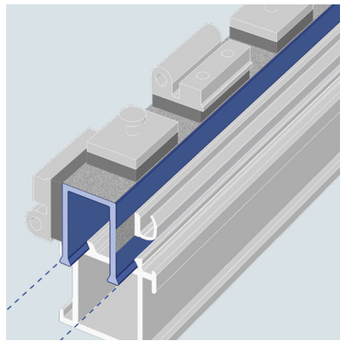


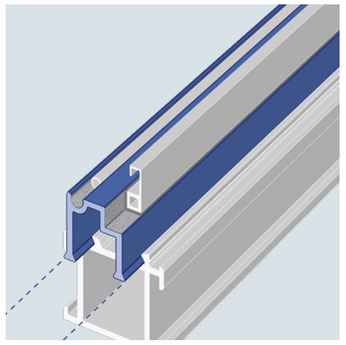


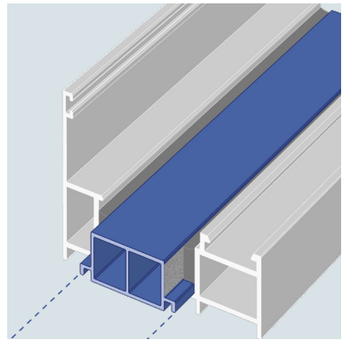










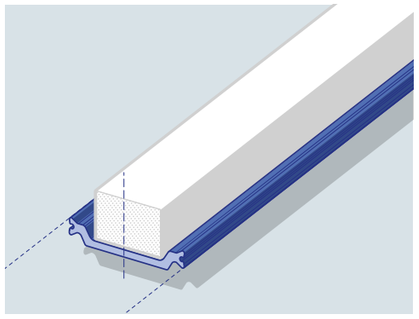


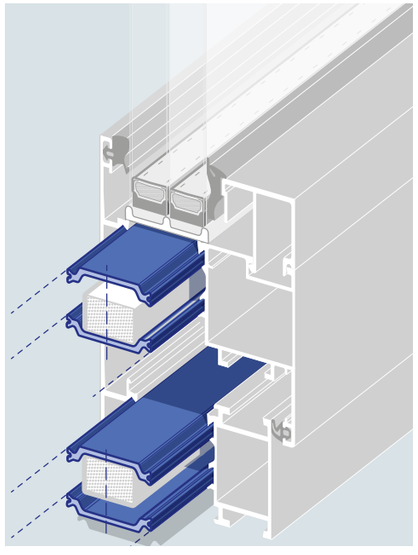
RPET foam: designed to withstand the entire coating and anodizing process without alteration

To further optimize the Uf value, insulating foam can be integrated into the system, even in existing designs, without the need for modifications. Our proposal: a closed-cell RPET foam, fully compatible with coating and anodizing processes, maintaining its stability without requiring additional steps. Made from 100% recycled PET and fully recyclable at the end of its service life, it also provides a responsible approach without compromising system performance.

Superior thermal performance

This innovative solution integrates foam directly into the polyamide, simplifying the manufacturing process and significantly reducing assembly times. By eliminating additional steps, window production is optimized while ensuring consistent thermal performance throughout the system's lifetime. Moreover, its closed-cell structure mantains thermal efficiency without the risk of moisture absorption.





Manufactured with high-purity RPET, the foam combines lightness with excellent dimensional stability. Its homogeneous internal structure prevents deformation and ensures a precise fit within the profile, both in new designs and existing systems.

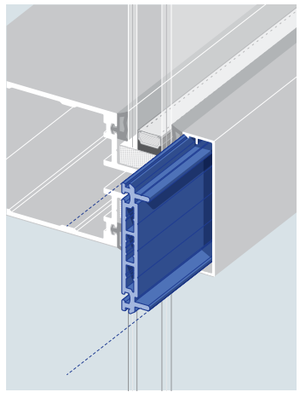
In addition, its compression resistance and strong performance against humidity, thermal variations, and chemical agents guarantee reliable behavior even in demanding applications.

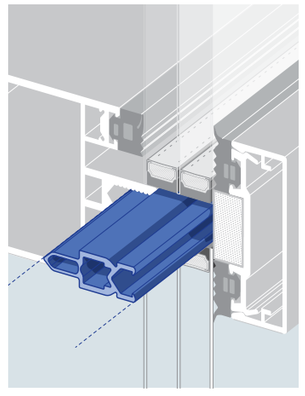
Facade solutions – boosting intelligence in modern buildings

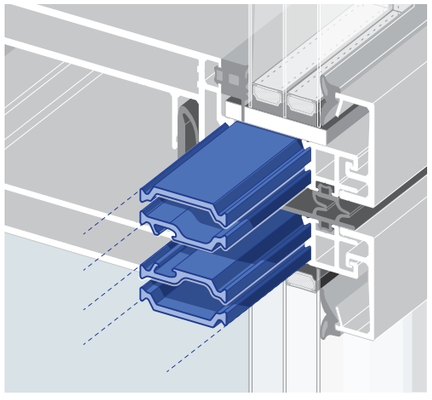
Lightweight, durable, stylish: when it comes to the exteriors of office buildings and other large-scale construction projects, aluminum is frequently the material of choice. Aside from the design, our solutions focus on insulating the exterior envelope and optimising the building's thermal performance.

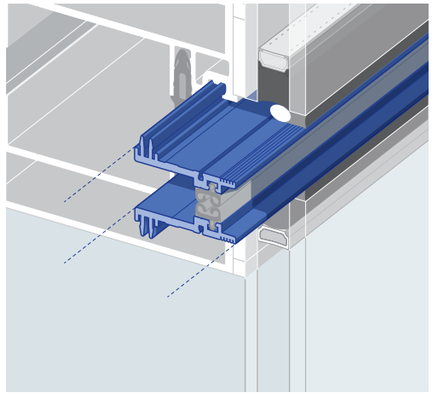
Stick facades

For stick-facades, we offer a variety of 20 different standard polyamide spacers and pressure plates. To be more precise: our system solutions offer best in class thermal performance with U-values as low as 1 W/m²K.









Unitized facades

All our insulating solutions for windows are suitable for unitized facades and we have special polyamide glass edge profiles for new systems.

Standard profiles
PA 66 GF25

000000 Article Number / 000000 New Article /
Article with a twin reference in Low Lambda / *Article production in America or Asia
#Head not compatible to Standard Groove

9 mm

254000

10 mm

204600#

244800

269800#

12 mm

977500

926900 · 975300

209900

328100

958241

282000

442500*

13 mm

13.4 mm

979200

13.5 mm

249100

969505

14 mm

202300

913700

202400

217100

233200#

948600

493100#

486900

948700

235300

240200#

247000

14.3 mm

246900

14.6 mm

933900 · 951459

919200 · 951159

263400

259900*#

951559 · 943300

241600

980600

268200

Standard profiles Polyamide

Our standard profiles are available in Standard and Recycled PA 66 GF25, dry impact resistant

000000 Article Number / 000000 New Article /
Article with a twin reference in Low Lambda / *Article production in America or Asia
#Head not compatible to Standard Groove

14 mm

14.6 mm

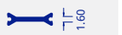

355700*


223900


313000*

14.8 mm


371700#


280600


931000 · 951659


216800


271800


924300 · 945500
951259

203900


208500


952100 · 962059


406100#


378600


937600


295600#


299000


486100*


201000


931100 · 951759


941600 · 951859


961459


925500


975800

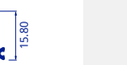

279000


221900


403400


221400


237600


246700


300800


271500


273500


289700


961559


987400


335600#


320100*


257100


270300

937700

488200

977000

15 mm

910300

952200#

538500

260500

260400

16 mm

379100#

962159#

973500

232900 · 265800

912000 · 955900
951359

345800#

221000

961859

963900

203200#

219900

270000

940800

976000

296500

277600*#

962259#

970559

973600

942100

976100

265900

941800

961959

977600

445500

977900

940300

981700

296600

980900*

214400

221100

227500

270100

296900

296800

296700

16.5 mm

977400

16.6 mm

420800*#

17 mm

589200

592000

286600#

17.4 mm

242700#

17.8 mm

330400

325300*

18 mm

955100

908300

221200

249200

964000

465400

233800

270200

955000

622800

541400

267100

Standard profiles Polyamide

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000000 Article Number / 000000 New Article /
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#Head not compatible to Standard Groove

18 mm

276900

18.6 mm

224100

210900

276000

290600

273300

250800

357400*

912100 · 912159

979300

955200

912800

330500

277000

977700

952459

343900

279300*

235400

332700*

322100*

360500*

248300

276800

955300

324600

226300

19 mm

316700

316900

316800

20 mm

933200

912500 · 957600

277400

957300

246500

941700

942600

271000

296200

976600

249900

250100

228900

499500#

387200*

234700

269100*

945800

562100

957400

937000

444500

228700

218500

20 mm

964200

250000

271100

439500*#

966500

306700

325500

20.6 mm

221600#

21 mm

556500

357500*

556400

22 mm

202200

242900

908400

269700

966605

978700

413700

228100

271300*

243000

431300

245900

23 mm

283000#

538800

320400

282600

245800

491600

439100*

Standard profiles Polyamide

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000000 Article Number / 000000 New Article /
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#Head not compatible to Standard Groove

24 mm

961759 · 933100	268000	220300	360900	224000	419300
965159#	294100	246300*	566000	251800	359800
919300 · 975900	976700	271400*	322000	969759	546100
390900	940400	927200	495000	246600	443700
241700#	969959	925200	403500	289800	256800
956059	479800	975700	249000	464600	273400
957500	984300	404000*	231900	479700	464700
350300	961105	228200	268100	502900	516200
355000	979500	415100	294200	330600	510600
360800	459500	956159	964300	228800	418200
954800	975400 · 936800	291100	400800	300400	406200#
235100	987200	253600	979900	561400	399200

24 mm

231800	578400	
358900	964559#	
297200		
297100	24.8 mm	
214000	215600	
489900	246100	
969859	215700	
962659	265000	
214800	214300	
224600	282100	
413900	246000	
439400#		

25 mm

910400	25.3 mm	
979400	470200*	
950159	329600*	
974500	329700*	
249500	329800*	
946700	25.5 mm	
249600	220400	
974600		
249700		

26 mm

212600	410800
254800	401700
908500	321800
260600	978900
453100	426400
304500	359600
491200	394200
289300#	208700
978800	264100
357700	300900
321100	
544900#	

Standard profiles Polyamide

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27 mm

971605

932000

253800

253900

27.5 mm

942700

28 mm

222500

948400

927700

618200

214700

223500

321300

516900

368600

509900

450100

280900

354400*

475500

355400

548200

571000

321500

566100

450000

280800

319600

271600

975100*

286800

286900

229100

308600

261900

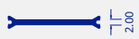
242100

29 mm

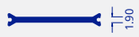
404600

640005*

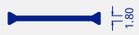
30 mm



219500



220800



246200

908600

273800

324100#

282300

947400

506200

247300

478600

486400

30 mm

516600

225500

493800

393000

414400

241200

493700

974700

312000

282400

364600

247500

247400

364500

352400

368700

414300

349400

277100*#

31 mm

268300

32 mm

239300

354700

303700

371800

256100

494500

939700

259800

448300

247700#

256200

496000

418400

256000

256300

563100

412200

218100

216100

619600*

492100

273900

488300

34 mm

464800

268400

349300

478700

935100

949200

986200

438400

265400

384200

218600

269200

Standard profiles Polyamide

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000000 Article Number / 000000 New Article /
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34 mm

425100

378200

425000

429100

548300

437800

430400

429300

558600

321700

437900

218400

426300

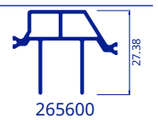
422900

258800

986300

423300

543300



265600

386800

503700#

587800

443900

532600

260900

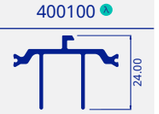
357000

240800

377100

400100

559400



265500

35 mm

432000

418900

337700

423500*

418600

382100

533200

418500

522100

35.3 mm

215500

358700

452300

418800

423700*

427100

418700

36 mm

201300

983400

557600

392400

478100

477500*

37 mm

394600*

425200

515000

394400*

394500*

38 mm

327800

219300

363700

39 mm

357900

340000

340300

340200

546200

452100

340100

368500

40 mm

357800

444200

287800

412000

442800

441900

364700

41 mm

640006*

42 mm

286300

334800

599100#

595700

34.8 mm

300700

300600

Standard profiles Polyamide

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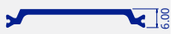
44 mm

502100

352100

501000

45 mm

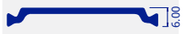


466500

46 mm

200100

48 mm



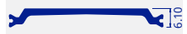
365800

457000

49 mm

617600

50 mm



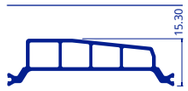
419400

54 mm

419500

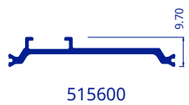
629400*

539600



462800

515700



515600

419600

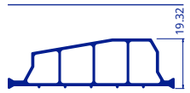
492200

60 mm

463500*

64 mm

328600



507600*

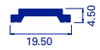
507500

77 mm

261000*

Operating Rods

224400



222400

218000

601100

289400*

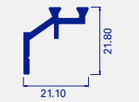
254700

224500

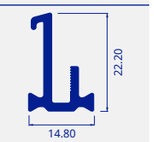
Specials

200600

212100



254400



505200

492000

432100*

491700*

449500*

Standard profiles Polyamide

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000000 Article Number / 000000 New Article /
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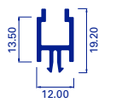
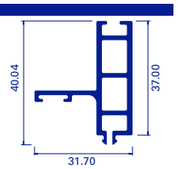
Curtain wall spacers

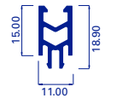


217300

309900

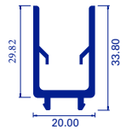


399000

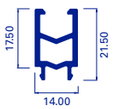


218200

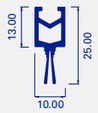
310000



337500

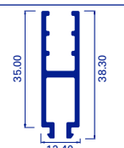


242300*

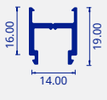


341700

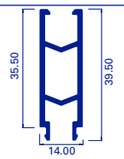
337400



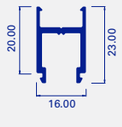
212500



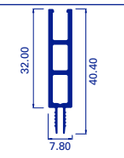
959000



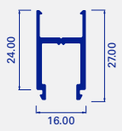
242400



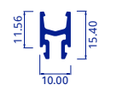
959100



423200

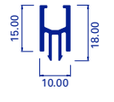


959200*

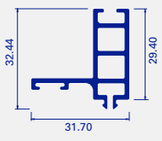


248800*

472500*



280100

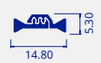


398900

Anti bi-metal

458800

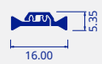
339000



576000

317000

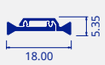
464400



605100

370000

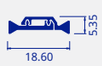
429900



640048

317100

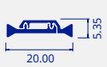
520900



599900

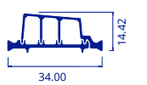
339900

521000



598700

316200



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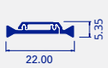

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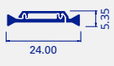

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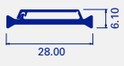

418100

605200*

Hidden Sash

346000

620400

375400

464900

529500

506400

550600

513400

Profiles for sliding doors

200500

389900

437700

274000

979600

486200

301000

245000

244900

371900

618300

306200#

343200

977100

255300

354300

385200

933000

263000

384300

403600

385100

282200

959300

415500

306300

419000#

311300

229000

495600

Minimal sliding doors

440100

440200

440300

440400

Material data sheet

Insulating strips of **PA 66 GF25, dry impact resistant**

Characteristic	Reference standard	Unit	Samples from extruded insulating strips		Samples from injection molding
			Dry [1]	Equilibrium moisture content [2]	Dry [1]
Melting temperature	EN ISO 11357-3	°C	≥ 250 [3]	≥ 250 [3]	≥ 250 [3]
Density	EN ISO 1183-1 or -3	g/cm³	1.3 +/- 0.05	1.3 +/- 0.05	1.3 +/- 0.05
Annealing residue (glass fibre content)	EN ISO 1172	%	25 +/- 2.5	25 +/- 2.5	25 +/- 2.5
Tensile strength	EN ISO 527-2	N/mm²	≥ 80 [4]	≥ 50 [4]	≥ 110 [5]
Young's modulus	EN ISO 527-2	N/mm²	≥ 4500 [4]	≥ 2000 [4]	≥ 6000 [5]
Elongation at break	EN ISO 527-2	%	≥ 3 [4]	≥ 7 [4]	≥ 3 [5]
Thermal conductivity	EN 12664	W/mK		0.30 [6]	
Reaction to fire	EN 13501-1	-		class E [7]	

Material is suitable to be used as thermal barrier with mechanical functions according to EN 14024[8]

1) Sample water content less than 0.2 % by weight
2) Fast conditioning acc. to EN ISO 1110
3) Maximum temperature 300 °C
4) Specimen Type 1BA - mean value with minimum sample size of 5 specimens at room temperature - tension measured in extrusion direction
5) Specimen Type 1A
6) The declared value is taken from ISO 10077-2 and can be used for thermal performance of frames according to the mentioned standard
7) Report 24-003934-PR02
8) EN14024:2004 chapter 4.2 Report 12-001212-PR09 ift Rosenheim GmbH (corresponds to EN14024:2023 ch. 5.2 parts a, b, c, d and f)

In case of specific questions we gladly offer you our individual support

Material data sheet

Insulating strips of **Low Lambda PA 66 GF25, dry impact resistant**

Characteristic	Reference standard	Unit	Samples from extruded insulating strips	
			Dry [1]	Equilibrium moisture content [2]
Melting temperature	EN ISO 11357-3	°C	≥ 250 [3]	≥ 250 [3]
Density	EN ISO 1183-1 or -3	g/cm³	1.0 +/- 0.1	1.0 +/- 0.1
Annealing residue (glass fibre content)	EN ISO 1172	%	25 +/- 2.5	25 +/- 2.5
Tensile strength	EN ISO 527-2	N/mm²	≥ 50 [4]	≥ 35 [4]
Young's modulus	EN ISO 527-2	N/mm²	≥ 2900 [4]	≥ 1300 [4]
Elongation at break	EN ISO 527-2	%	≥ 3 [4]	≥8 [4]
Thermal conductivity	EN 12664	W/mK		0.21[5]
Reaction to fire	EN 13501-1	-		class E [6]

Material is suitable to be used as thermal barrier with mechanical functions according to EN 14024[7]

1) Sample water content less than 0.2 % by weight
2) Fast conditioning acc. to EN ISO 1110
3) Maximum temperature 300 °C
4) Specimen Type 1BA - mean value with minimum sample size of 5 specimens at room temperature - tension measured in extrusion direction
5) Statement P1-2019E.1/2015 Fraunhofer-Institut fur Bauphysik IBP. The measured values according to EN 12664 are statistically corrected (ISO 10456). The declared value can be used for the thermal performance of frames according to ISO 10077-2
6) Report 24-003930-PR02
7) EN14024:2004 chapter 4.2 Report 15-001437-PR02 ift Rosenheim GmbH (corresponds to EN14024:2023 ch. 5.2 parts a, b, c, d and f)

In case of specific questions we gladly offer you our individual support

Material data sheet

Insulating strips of **Recycled PA 66 GF25, dry impact resistant**

Characteristic	Reference standard	Unit	Samples from extruded insulating strips		Samples from injection molding
			Dry [1]	Equilibrium moisture content [2]	Dry [1]
Melting temperature	EN ISO 11357-3	°C	≥ 250 [3]	≥ 250 [3]	≥ 250 [3]
Density	EN ISO 1183-1 or -3	g/cm³	1.3 +/- 0.05	1.3 +/- 0.05	1.3 +/- 0.05
Annealing residue (glass fibre content)	EN ISO 1172	%	25 +/- 2.5	25 +/- 2.5	25 +/- 2.5
Tensile strength	EN ISO 527-2	N/mm²	≥ 80 [4]	≥ 50 [4]	≥ 110 [5]
Young's modulus	EN ISO 527-2	N/mm²	≥ 4500 [4]	≥ 2000 [4]	≥ 6000 [5]
Elongation at break	EN ISO 527-2	%	≥ 3 [4]	≥ 7 [4]	≥ 3 [5]
Thermal conductivity	EN 12664	W/mK		0.30 [6]	
Reaction to fire	EN 13501-1	-		class E [7]	

The PA 66 used for production consists of 100% post industrial recycled materials
Material is suitable to be used as thermal barrier with mechanical functions according to EN 14024[8]

1) Sample water content less than 0.2 % by weight
2) Fast conditioning acc. to EN ISO 1110
3) Maximum temperature 300 °C
4) Specimen Type 1BA - mean value with minimum sample size of 5 specimens at room temperature - tension measured in extrusion direction
5) Specimen Type 1A
6) The declared value is taken from ISO 10077-2 and can be used for thermal performance of frames according to the mentioned standard
7) Report 24-003934-PR02
8) EN14024:2004 chapter 4.2 Report 17-003857-PR01 ift Rosenheim GmbH (corresponds to EN14024:2023 ch. 5.2 parts a, b, c, d and f)

In case of specific questions we gladly offer you our individual support

Material data sheet

Insulating strips of **Recycled Low Lambda PA 66 GF25, dry impact resistant**

Characteristic	Reference standard	Unit	Samples from extruded insulating strips	
			Dry [1]	Equilibrium moisture content [2]
Melting temperature	EN ISO 11357-3	°C	≥ 250 [3]	≥ 250 [3]
Density	EN ISO 1183-1 or -3	g/cm³	1.0 +/- 0.1	1.0 +/- 0.1
Annealing residue (glass fibre content)	EN ISO 1172	%	25 +/- 2.5	25 +/- 2.5
Tensile strength	EN ISO 527-2	N/mm²	≥ 50 [4]	≥ 35 [4]
Young's modulus	EN ISO 527-2	N/mm²	≥ 2900 [4]	≥ 1300 [4]
Elongation at break	EN ISO 527-2	%	≥ 3 [4]	≥8 [4]
Thermal conductivity	EN 12664	W/mK		0.21[5]
Reaction to fire	EN 13501-1	-		class E [6]

The PA 66 used for production consists of 100% post industrial recycled materials
Material is suitable to be used as thermal barrier with mechanical functions according to EN 14024[7]

1) Sample water content less than 0.2 % by weight
2) Fast conditioning acc. to EN ISO 1110
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4) Specimen Type 1BA - mean value with minimum sample size of 5 specimens at room temperature - tension measured in extrusion direction
5) Statement P1-2019E.1/2015 Fraunhofer-Institut fur Bauphysik IBP. The measured values according to EN 12664 are statistically corrected (ISO 10456). The declared value can be used for the thermal performance of frames according to ISO 10077-2
6) Report 24-003930-PR02
7) EN14024:2004 chapter 4.2 Report 20-004377-PR05 ift Rosenheim GmbH (corresponds to EN14024:2023 ch. 5.2 parts a, b, c, d and f)

In case of specific questions we gladly offer you our individual support

Cooperation partners

Europe

- Federation of European Window and Curtain Wall Manufacturers' Associations

Belgium & Netherlands
- BUtgb vzw · UBAtc asbl · Belgian Union for Technical Approval in Construction
- FAC · Federatie Aluminium Constructeurs
- VMRG ·Vereniging van Metalen Ramen - en Gevelfabrikanten

France
- CSTB · Centre Scientifique et Technique du Bâtiment
- SNFA · Syndicat National de la Construction des Fenêtres, Façades et Activités Associées

Germany
- IFT-Rosenheim · Institut für Fenstertechnik e. V.
- FIW-München · Forschungsinstitut für Wärmeschutz e. V.
- IFZ · Informationszentrum Fenster Türen Fassaden e. V.
- VFF · Verband der Fenster- und Fassadenhersteller
- Bundesdeutscher Arbeitskreis für Umweltbewusstes Management (B.A.U.M.) e. V.
- A/U/F Aluminium und Umwelt im Fenster- und Fassadenbau
- EPEA Internationale Umweltforschung GmbH
- Deutsche Gesellschaft für Nachhaltiges Bauen

Great Britain
- CAB · Council for Aluminium in Building

Italy
- UNICMI · Unione nazionale delle Industrie delle Costruzioni Metalliche dell'Involucro e dei serramenti
- AITAL / QUALITAL · Associazione Italiana Trattamenti superficiali Alluminio / Organismo di Certificazione

Portugal
- ANFAJE · Associação Nacional dos Fabricantes de Janelas Eficientes
- APAL · Associação Portuguesa Do Alumínio

Spain
- AEA · Asociación Española del Aluminio y Tratamientos de Superficie
- ASEFAVE · Asociación Española de Fabricantes de Fachadas Ligeras y Ventanas
- Tecnalia Research & Innovation
- ENSATEC · Laboratorio de Ensayos Tecnológicos

The Americas

North America
- FGIA · Fenestration and Glazing Industry Alliance
- AEC · Aluminum Extruders Council
- NGA · National Glass Association
- NFRC · National Fenestration Rating Council
- FTI · Façade Tectonics Institute

South America
- CAIAMA · Cámara Argentina de la Industria del Aluminio y Metales Afines.
- Brasil AFEAL · Associação Nacional de Fabricantes de Esquadrias de Alumínio.
- AMEVEC · Asociación Mexicana de Ventanas y Cerramientos

Asia

China
- CAIGA · China Architectural and Industrial Glass Assn.
- CCMSA · China Construction Metal Structure Assn.
- Hong Kong Facade Association
- National Committee of Standardization for Non-ferrous Metals

Korea
- KAFA · Korea Architectural Facade Association

Singapore
- SGBC · Singapore Green Building Council
- BCA · Building and Construction Authority of Singapore
- ESI · Energy Studies Institute – National University of Singapore

Australasia

Australia & New Zealand
- WGANZ · Window & Glass Association New Zealand
- AGWA · Australian Glass & Window Association
- IGMA · Insulating Glass Manufacturers Alliance

Certifications

Europe
TÜV Certification
according to ISO 9001:2015
Cradle to Cradle Certified®
Gold level Material Health Certificate
Environmental Product Declaration

Germany
TÜV Certification
according to
ISO 14001:2015
ISO 50001:2018
ISO 45001:2018

Italy
TÜV Certification
according to
ISO 14021:2021
RINA Certification
according to ISO 45001

Belgium
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TÜV Certification
according to ISO 9001:2015

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Gold level Material Health Certificate

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according to
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ISO 9001:2015
ISO 45001:2018

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Version 4 |January 2026