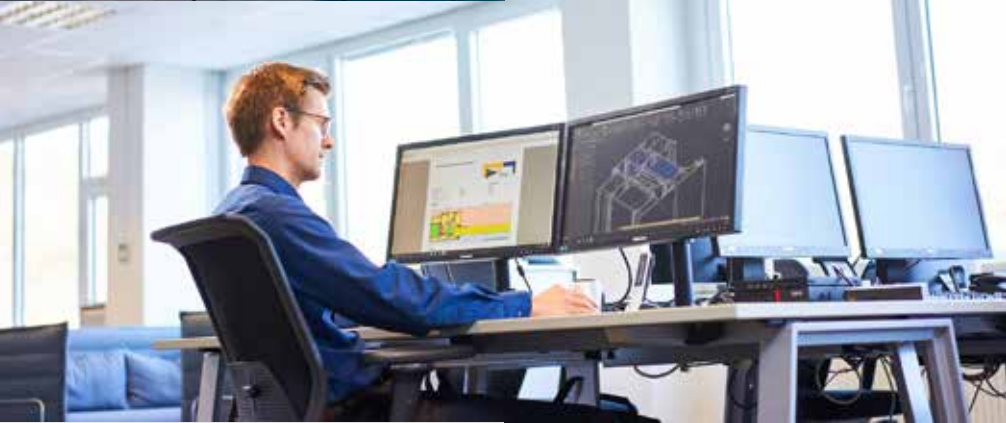
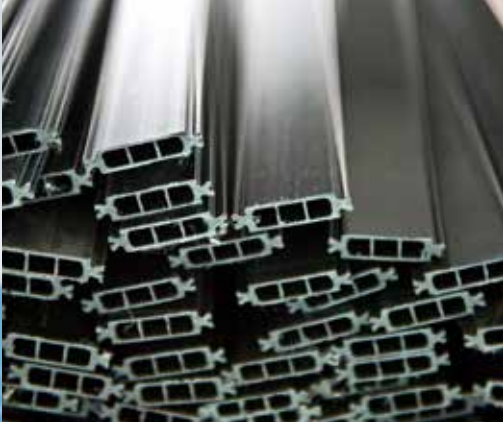




Standard profiles 2020

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 800 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.

The material and information contained in this catalogue are for general information only. Technoform offers you advice concerning any doubts or queries before making commercial decisions based on the information in this catalogue. Technoform changes design and functionality of certain products through continuous innovations and improvements. Thus, Technoform reserves the right to change descriptions any time and discontinue or withdraw any particular product during the year of validity of this catalogue, without any prior notice. Technoform declines any responsibility for any possible inadvertently caused inaccuracies or omissions in this catalogue and the consequences that these may cause.

Standard profiles Polyamide

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















































9 mm	10 mm	12 mm	13 mm	14 mm
 254000	 204600#	 977500	13,4 mm	 202300
	 269800#	 926900 · 975300	 979200	 913700
	 244800	 282000	13,5 mm	 202400
		 442500*	 249100	 217100
		 209900	 969505	 233200
		 328100		 948600
		 958241		 486900
				 951559
				 948700
				 241600
				 235300
				 980600
				 493100#
				 268200
				 240200#
				 355700*
				 263400

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14 mm

15 mm

14,6 mm		14,8 mm			
					 1.80 910300
 6.40 223900	 1.60 280600	 12.35 975800	 12.22 271500	 7.20 488200	 6.20 538500
 6.40 313000*	 1.80 931000 · 951659	 14.80 279000	 13.84 300800	 6.40 977000	 5.00 2.50 952200#
 5.77 10.20 259900*#	 1.20 216800	 6.20 203900	 12.20 273500	 5.20 8.50 295600#	 13.95 260500
	 1.60 271800	 6.00 208500	 11.00 320100*	 7.60 299000*	 11.20 260400
	 1.80 924300 · 945500 951259	 6.00 952100 · 962059	 12.03 257100	 7.60 486100*	
	 15.80 201000	 4.05 6.20 406100#	 11.05 270300		
	 14.80 931100 · 951759	 6.00 378600	 11.10 289700		
	 12.35 941600 · 951859	 6.00 937600	 11.00 937700		
	 12.35 961459	 11.80 221400	 11.05 961559		
	 14.85 403400	 10.90 237600	 11.05 987400		
	 14.80 925500	 14.56 246700	 4.05 11.10 335600#		























































Standard profiles Polyamide

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

16 mm				17 mm	18 mm
 962159#	 221000	 270100	16,5 mm	 286600#	 955100
 973500	 961859	 296900		 977400	17,4 mm
 232900 · 265800	 963900	 961959	16,6 mm	 242700#	 221200
 912000 · 955900 951359	 203200#	 977600		 420800*#	17,8 mm
 345800#	 219900	 445500		 330400	 964000
 962259#	 270000	 977900		 325300	 465400
 970559	 940800	 940300			 233800
 973600	 976000	 981700			 270200
 942100	 296500	 296600			 955000
 976100	 214400	 277600*#			 541400
 265900	 221100				 267100
 941800	 227500				 276900





































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18 mm			19 mm	20 mm	
 224100	18,6 mm		 316700	 933200	 296200
 290600	 210900*	 332700*	 316900	 912500 · 957600	 976600
 357400*	 273300	 276000	 316800	 387200*	 249900
 955200	 912100 · 912159	 250800		 234700	 439500*#
 277000	 944300	 952459		 269100*	 250100
 235400	 912800	 979300		 945800	 562100
 322100*	 360500*	 330500		 277400	 957400
 343900	 276800			 957300	 937000
 248300	 324600			 246500	 444500
 955300	 226300			 941700	 228700
	 977700			 942600	 218500
	 279300*			 271000	 964200

Standard profiles Polyamide









































































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

20 mm		21 mm	22 mm		23 mm
 271100	20,6 mm	 357500*	 202200	 977200	 283000#
 306700		 221500#	 242900	 413800	 320400
 325500	 221600#		 908400	 254100	
 297800*			 228100	 286700	
 924900			 271300*	 389600	
 964100			 269700	 245800	
 271200			 966605	 439100*	
 250000			 978700		
 283600			 413700		
 493600			 243000		
 330700			 431300		
 228900			 245900		

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24 mm

 961759 · 933100	 271400*	 268000	 360900	 268100	 969859
 965159#	 927200	 294100	 566000	 294200	 443700
 390900	 925200	 976700	 322000	 964300	 256800
 241700#	 975700	 940400	 495000	 400800	 273400
 223700	 956059	 479800	 403500	 979900	 464700
 919300 · 975900	 957500	 984300	 969759	 224000	 516200
 979500	 350300	 404000*	 246600	 251800	 214000
 459500	 355000	 228200	 289800	 228800	 489900
 975400	 360800	 415100	 464600	 300400	 330600
 987200	 969959	 956159	 479700	 561400	 231800
 220300	 954800	 291100	 502900	 359800	 358900
 246300*	 235100	 253600	 231900	 546100	 510600













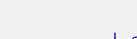

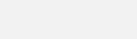
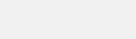

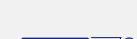


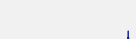







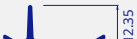

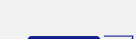


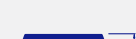



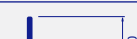








Standard profiles Polyamide

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

24 mm		25 mm		26 mm	
 418200	24,8 mm	 910400	25,3 mm	 212600	 359600
 962659	 246100	 979400	 470200*	 254800	 264100
 406200#	 215600	 950159	 329600*	 260600	 357700
 399200	 215700	 974500	 329700*	 453100	 321100
 439400#	 265000	 249500	 329800*	 908500	 300900
 214800	 214300	 946700	25,5 mm	 304500	
 224600	 282100	 249600	 220400	 491200	
 964559#	 246000	 974600		 289300#	
		 249700		 978800	
				 321800	
				 978900	
				 426400	






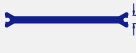

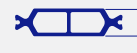
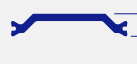




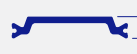

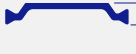

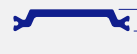







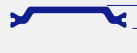

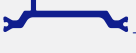







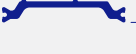














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27 mm	28 mm		29 mm	30 mm	
 6.00 971605	 2.00 222500	 10.45 450000	 9.55 308600	 5.80 404600	 2.00 219500
 6.00 932000	 2.30 948400	 11.60 280800	 7.75 261900	 1.90 220800	
 13.70 253800	 2.30 927700	 8.94 319600	 6.40 242100	 1.80 246200	
 10.60 253900	 6.20 214700	 13.68 548200	 7.40 509900	 2.30 908600	
27,5 mm	 6.00 223500	 11.50 571000		 6.00 273800	
 6.00 942700	 6.00 321300	 15.61 321500		 3.05 4.85 324100#	
	 12.35 450100	 11.48 326800		 6.00 282300	
	 13.20 280900	 18.00 286800		 6.00 947400	
	 11.64 354400	 17.00 286900		 7.00 506200	
	 18.40 475500	 6.50 271600		 11.20 247300	
	 20.60 355400	 6.70 975100*		 14.00 478600	
	 10.35 566100	 9.20 229100		 21.60 486400	





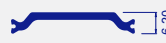








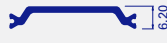







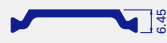























Standard profiles Polyamide

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

30 mm		31 mm	32 mm		34 mm
 225500	 349400	 268300	 239300	 256300	 464800
 493800	 516600		 354700	 563100	 268400
 241200	 277100*#		 303700	 218100	 478700
 312000			 371800	 412200	 935100
 247500			 256100	 216100	 949200
 493700			 494500	 492100	 357000
 352400			 939700	 273900	 377100
 247400			 259800	 488300	 378200
 414300			 256200	 247700*#	 548300
 282400			 496000	 495600	 429300
 393000			 418400		 437900
 414400			 256000		 422900


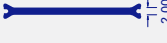

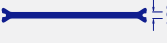

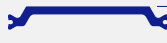

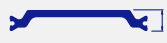








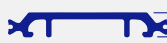



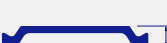






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34 mm			35 mm		36 mm
 423300	 986300	34,8 mm	 432000	 382100	 201300
 443900	 265600		 300700	 337700	 418700
 400100	 986200	 300600	 418600	 427100	 392400
 260900	 438400		 522100	35,3 mm	
 240800	 265400		 215500		 485500*
 321700	 265500		 358700	 477400*	
 269200	 425000		 452300	 477500*	
 425100	 437800		 423700*		
 426300	 218400		 423500*		
 429100	 384200		 418900		
 430400	 258800		 418800		
 266500			 418500		

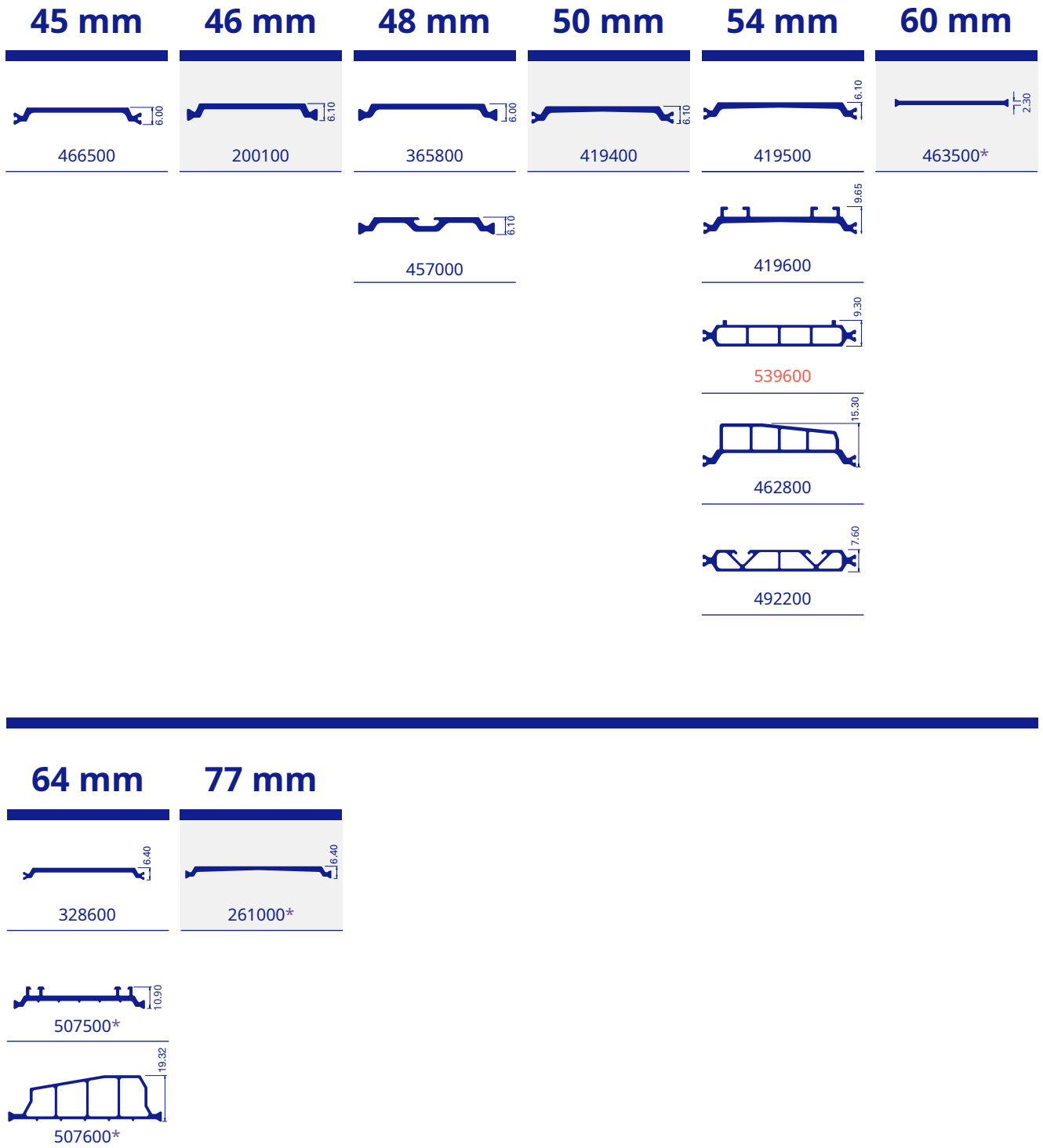
Standard profiles Polyamide

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

37 mm	38 mm	39 mm	40 mm	42 mm	44 mm
 425200	 327800	 357900	 357800	 286300	 502100
 394600*	 219300	 546200	 444200	 334800	 501000
 394400*	 363700	 452100	 287800		 352100
 394500*	 437700	 340000	 412000		
 515000		 340300	 521000		
		 340100			
		 340200			
		 368500			

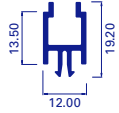
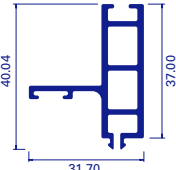


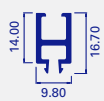
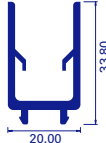


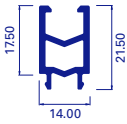
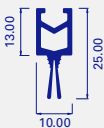


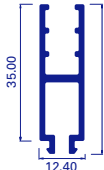
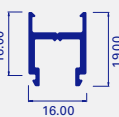
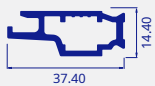
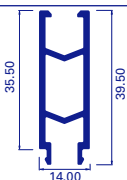
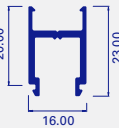

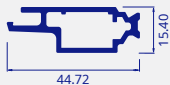


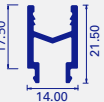
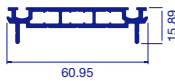
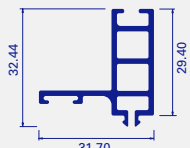
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Standard profiles Polyamide

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

Curtain wall spacers			Operating Rods	Specials	Hidden sash
 217300	 309900	 399000	 224400	 200600	 346000
 218200	 310000	 337500	 222400	 212100	 375400
 242300*	 341700	 337400	 218000	 254400	 464900
 212500	 959000		 289400*	 492000	 506400
 242400	 959100		 254700	 432100*	 513400
 423200	 959200		 224500	 491700*	
 248800*	 472500*			 449500*	
 280100	 398900				

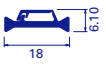




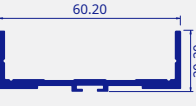

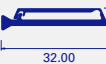



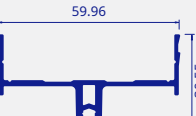

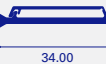


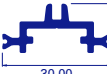
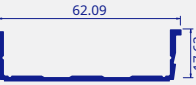





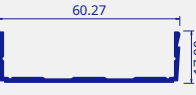











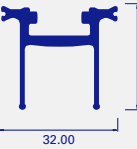
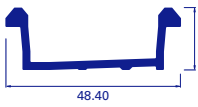



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*Article production in America or Asia / #Head not compatible to Standard Groove

**Profiles
for minimal
sliding doors**



















Anti-bi-metal

Profiles for sliding doors

 18 6.10	 30.00 6.10	 43.60 10.70	 58.60 17.80	 28.00 7.00	 60.20 20.20
458800	339000	200500#	389900	255300	440100
 18.60 6.10	 32.00 6.12	 43.60 12.95	 39.17 10.74	 32 7.00	 59.96 30.55
317000	464400	979600#	371900	282200	440200
 20.00 6.10	 34.00 6.30	 33.72 11.51	 13.00 10.83	 30.00 13.37	 62.09 17.63
370000	429900	244900	977100	263000	440300
 22.00 6.10	 40.00 10.65	 37.50 9.48	 17.60 14.00	 5.20 32.00 8.50	 60.27 17.00
317100	520900	343200	933000	419000#	440400
 24.00 6.10	 40.00 6.15	 40.80 9.60	 18.00 10.20	 5.20 32.00 8.50	
339900	521000	385200	385100	306200#	
 25.00 6.10		 23.00 9.30	 19.20 23.00	 18.00 19.50	
316200		403600	306300	354300	
 28.00 6.10		 24.20 9.70	 32.00 28.61	 48.40 17.20	
418100		415500	229000	384300	
 26.00 6.10		 58.60 17.80	 30.00 6.90		
387500		311300	245000		


























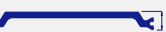

Standard profiles Low Lambda Polyamide

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

22 mm	24 mm	28 mm	29 mm	30 mm	32 mm
 817700	 804100	 803200	 815200	 800200	 803000
 818000	 804200	 803300		 809800	 803100
	 811000	 805900			 806300
		 806100		30 mm Anti-bi-metal	
		 809600		 810000	
		 809700			

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34 mm	36 mm	37 mm	38 mm	39 mm	40 mm
 821100	 809900	 813700	 808000	 810800	 806400
 802200				 801600	
 802800				 821300	
 807600				 801400	
 813300				 800800	
 811500				 801500	
 813200				 805000	
 821000				 805100	
 811800					
42 mm	44 mm	45 mm	50 mm	54 mm	
 806800	 810700	 808100	 812800	 812600	
				 812500	

Material data sheet

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

Characteristic	Reference standard	Unit	Samples prepared from extruded insulating strips	
			Dry ⁽¹⁾	Equilibrium moisture content ⁽²⁾
melting temperature	EN ISO 11357-3	°C	min. 250 ⁽³⁾	min. 250 ⁽³⁾
density	EN ISO 1183-1 or -3	g/cm ³	1.0 +/- 0.1	1.0 +/- 0.1
annealing residue (glass fibre content)	EN ISO 1172	%	25 +/- 2.5	25 +/- 2.5
shore hardness D	EN ISO 868	-	77 +/- 4 ⁽⁴⁾	67 +/- 4 ⁽⁴⁾
impact strength	EN ISO 179-1	kJ/m ²	min. 20 ⁽⁵⁾	min. 30 ⁽⁵⁾
tensile strength	EN ISO 527-2 and -4	N/mm ²	min. 50 ⁽⁶⁾	min. 35 ⁽⁶⁾
Young's modulus	EN ISO 527-2 and -4	N/mm ²	min. 2900 ⁽⁶⁾	min. 1300 ⁽⁶⁾
elongation at break	EN ISO 527-2 and -4	%	min. 3 ⁽⁶⁾	min. 8 ⁽⁶⁾

¹⁾ Sample water content less than 0.2% by weight

²⁾ Fast conditioning acc. to EN ISO 1110 (23°C / 50 %)

³⁾ Maximum temperature 300°C

⁴⁾ Specimen thickness 2 mm, unstacked

⁵⁾ Specimen Typ 2fU (50 mm x 10 mm x 2 mm)

⁶⁾ Specimen Typ 1BA

Material data sheet

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

Characteristic	Reference standard	Unit	Samples prepared from extruded insulating strips		Injection-moulded samples
			Dry ⁽¹⁾	Equilibrium moisture content ⁽²⁾	Dry ⁽¹⁾
melting temperature	EN ISO 11357-3	°C	min. 250 ⁽³⁾	min. 250 ⁽³⁾	min. 250 ⁽³⁾
density	EN ISO 1183-1 or -3	g/cm ³	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
shore hardness D	EN ISO 868	-	82 +/- 4 ⁽⁴⁾	78 +/- 4 ⁽⁴⁾	84 +/- 2
impact strength	EN ISO 179-1	kJ/m ²	min. 30 or without break ⁽⁵⁾	min. 40 or without break ⁽⁵⁾	min. 35 ⁽⁶⁾
tensile strength	EN ISO 527-2 and -4	N/mm ²	min. 80 ⁽⁷⁾	min. 50 ⁽⁷⁾	min. 110 ⁽⁸⁾
Young's modulus	EN ISO 527-2 and -4	N/mm ²	min. 4500 ⁽⁷⁾	min. 2000 ⁽⁷⁾	min. 6000 ⁽⁸⁾
elongation at break	EN ISO 527-2 and -4	%	min. 3 ⁽⁷⁾	min. 7 ⁽⁷⁾	min. 3 ⁽⁸⁾

¹⁾ Sample water content less than 0.2% by weight

²⁾ Fast conditioning acc. to EN ISO 1110 (23°C / 50%)

³⁾ Maximum temperature 300°C

⁴⁾ Specimen thickness 2 mm, unstacked

⁵⁾ Specimen Typ 2fU (50 mm x 10 mm x 2 mm)

⁶⁾ Specimen Typ 1fU (80 mm x 10 mm x 4 mm)

⁷⁾ Specimen Typ 1BA

⁸⁾ Specimen Typ 1A

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

Cooperation partners

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 Aluminum in Building
- BFRC · British Fenestration Rating Council

Portugal

- ANFAJE · Associação Nacional dos Fabricantes de Janelas Eficientes

Italy

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

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

Europe

- Federation of European Window and Curtain Wall Manufacturers' Associations

North America

- AAMA · American Architectural Manufacturers Assn.
- GANA · Glass Association of North America
- NFRC · National Fenestration Rating Council

South America

- CAIAMA · Cámara Argentina de la Industria del Aluminio y Metales Afines.
- Brasil AFEAL · Associação Nacional de Fabricantes de Esquadrias de Alumínio.

China

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

Singapore

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

Korea

- KAFA · Korea Architectural Facade Association

Australia & New Zealand

- Window Association of New Zealand
- Australian Window Association
- AGGA · Australian Glass and Glazing Association

Certifications



Europe

TÜV Certification

according to ISO 9001:2015
Cradle to Cradle Certified™
Gold

Germany

TÜV Certification

according to
ISO 14001:2015
ISO 50001:2011
ISO 45001:2018

Belgium

ATG Certification

North America

TÜV Certification

According to ISO 9001:2015

Russia

GOST Certification

Cradle to Cradle Certified™
Gold

China

TÜV Certification

according to
ISO 14001:2015
ISO 9001:2015
ISO 45001:2018

Hong Kong

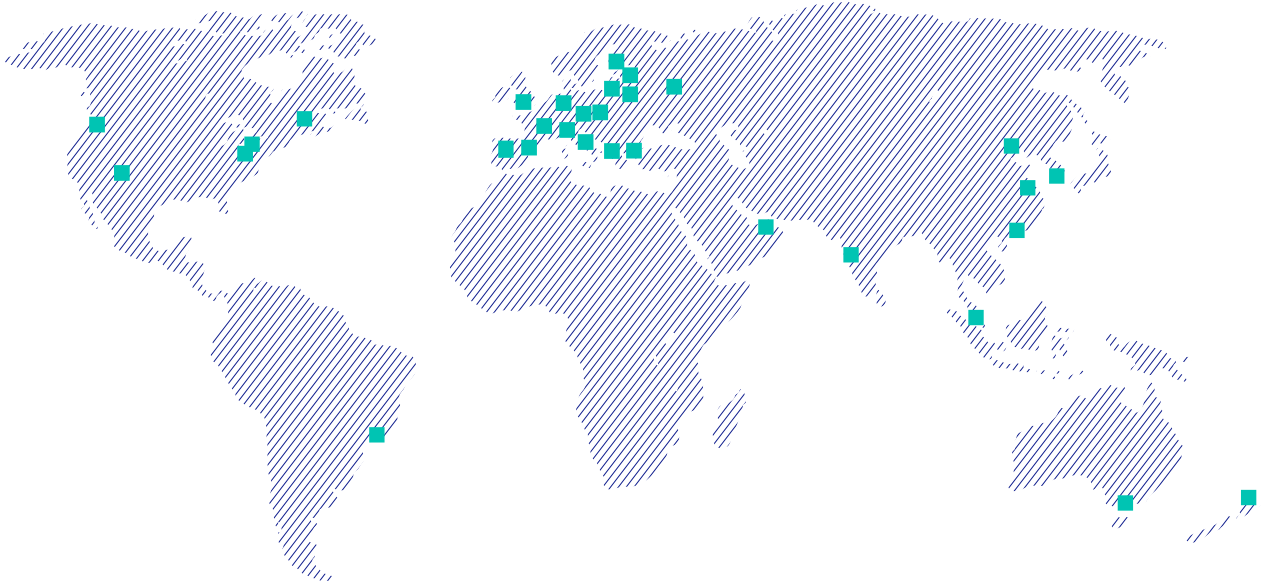
TÜV Certification

according to
ISO 14001:2015
ISO 9001:2015
ISO 45001:2018

Singapore

Singapore Green Building Product – very good

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