TECHNOFORM

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Spacer specification for SP12, SP13, SP14

Product description: Technoform's durable plastic hybrid stainless steel warm edge spacer is a drop in high-performance solution targeted for construction of residential and commercial insulating glass units.

Composition/materials: The spacer is a hybrid warm edge product comprised of a low conductivity stainless steel and thermoplastic. This hybrid construction allows for integration of a warm edge product that will reduce the formation of condensation, improve the overall thermal performance of the window (U-factor), while providing an aesthetically appealing and durable product.

Characteristics	Specification / Value
Moisture-vapor barrier	Stainless steel alloy
Thermoplastic & colors	Engineered polypropylene: Black, Light Grey, Dark Grey, White, Bronze
Wire	For SP14: spring steel wire
Profile height	6.85mm
Available widths	1/4" to 26mm (see master part chart for availability)

Characteristics	Standard	Specification / Value
Performance		
Thermal conductivity	ASTM E1461	Stainless steel: 14 W/mK Polypropylene: 0.20 W/mK
Rigidity	ASTM D 790	SP13: 850 N/mm^2 SP14: 1,800 N/mm^2
Testing		
Seal Durability	ASTM E2190 tested according to ASTM E2188	Pass
	DIN EN 1279-2	Pass
Fogging	ASTM E2190 tested according to ASTM E2189	Pass
	DIN EN 1279-6	Pass
UV resistance	ASTM G154 cycle 1, 3,000 hours of exposure	delta E (Lab) < 2 for black and white spacer colors
	EN ISO 4892-2, 3,000 hours of exposure	delta E (Lab) < 2 for black, white, and light grey spacer colors
Argon gas retention	ASTM E2190 tested according to ASTM E2188	Pass
	DIN EN 1279-3	Pass
Adhesion Compatibility	ASTM C794 and similar	Pass results using PIB, silicone, polysulfide, polyurethane, hot-melt and reactive hot-melt butyl with list of specific sealants tested available upon request.

Technoform Glass Insulation North America, Inc. 1755 Enterprise Parkway, Suite #300, Twinsburg, OH 44087 U.S.A
Phone: 330-487-6600 Fax: 330-487-6680 www.technoform.com