

Sicostirolo[®] 590

High Impact Polystyrene
Prime Compound

Description:

Heat resistant grade

General

MFI (200°C/5kg)	ISO 1133	6	g/10min
Density	ISO 1183	1.05	g/cm ³
Linear mould shrinkage	ASTM D955	0.4-0.7	%

Thermal

HDT/A (1,82MPa)	ISO 75A	80	°C
Vicat softening point (B50 (50N))	ISO 306	94	°C
Vicat softening point (A50(10N))	ISO 306	102	°C

Mechanical

Tensile stress at yield	ISO 527	22	MPa
Tensile stress at break	ISO 527	18	MPa
Elongation at break	ISO 527	15	%
Flex modulus	ISO 178	2300	MPa
Izod impact reverse (+23°C (notched))	ISO 180/1A	8	kJ/m ²

Flammability

Flammability (3,2mm)	UL94	HB	
Flammability (1,6mm)	UL94	HB	
Glow wire flammability index (2,0 mm)	IEC 60695-2-12	650	°C

Various

Surface resistivity	IEC 60093	1.00E+15	Ohm
Volume resistivity	IEC 60093	1.00E+15	Ohm.cm
Dielectric rigidity (Oil 1mm)	IEC 60243-1	60	kV/mm
CTI	IEC 60112	500	V

The data and information contained herein are typical average values, based on our current level of knowledge and experience, and do not constitute sales specifications. No liability, warranty or guarantee of product performance is created by this document. It is the buyer's responsibility to inspect and test our products in order to determine the suitability for the buyer's application.

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