

Sicostirolo[®] 582

High Impact Polystyrene
Prime Compound

Description:

HIPS general purpose grade

General

MFI (200°C/5kg)	ISO 1133	10	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	75	°C
Vicat softening point (B50 (50N))	ISO 306	82	°C
Vicat softening point (A50(10N))	ISO 306	92	°C

Mechanical

Izod notched impact strength (23°C)	ISO 180/A	10	kJ/m ²
Tensile stress at yield	ISO 527	18	MPa
Tensile stress at break	ISO 527	15	MPa
Elongation at break	ISO 527	30	%
Flex modulus	ISO 178	2000	MPa

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

Remark:

UL94 officially approval file number: E103497

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