Mablex® 459F

PC/ABS Blend
Prime Compound

Description:

PC/ABS Blend, high gloss, improved chemical resistance grade

General

Density	ISO 1183	1.11	g/cm³
Linear mould shrinkage	ASTM D955	0.5 - 0.7	%
MFI (260°C/5kg)	ISO 1133	27	g/10min

Thermal

HDT/A (1,82MPa)	ISO 75A	102	°C
Vicat softening point (B50 (50N))	ISO 306	110	°C
Vicat softening point (A50(10N))	ISO 306	120	°C
Ball pressure test (75°C)	IEC 60695-10-2	Pass	°C

Mechanical

Izod notched impact strength (23°C)	ISO 180	45	kJ/m²
Izod notched impact strength (-30°C)	ISO 180	27	kJ/m²
Tensile stress at yield	ISO 527	45	MPa
Tensile stress at break	ISO 527	35	MPa
Elongation at break	ISO 527	20	%
Flex modulus	ISO 178	2100	MPa

Flammability

Flammability (3,2mm)	UL94	HB	
Flammability (1,6mm)	UL94	HB	
Burning rate (FMVSS 302)	ISO 3795	55	mm/min
Glow wire flammability index (2,0 mm)	IEC 60695-2-12	650	°C

Various

Surface resistivity	IEC 60093	1.00E+14	Ohm
Volume resistivity	IEC 60093	1.00E+15	Ohm.cm
Dielectric rigidity (Oil 1mm)	IEC 60243-1	24	kV/mm
CTI	IEC 60112	300	V

Datasheet

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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