

Mablex[®] 459

PC/ABS Blend
Prime Compound

Description:

PC/ABS blend general purpose high gloss grade

General

Density	ISO 1183	1.10	g/cm ³
Linear mould shrinkage	ISO 2577	0.5-0.7	%
MFI (260°C/5kg)	ISO 1133	20	g/10min

Thermal

HDT/A (1,82MPa)	ISO 75A	102	°C
Vicat softening point (B50 (50N))	ISO 306	108	°C
Vicat softening point (A50(10N))	ISO 306	122	°C
Ball pressure test (105°C)	IEC 335	Pass	°C

Mechanical

Izod notched impact strength (23°C)	ISO 180/A	50	kJ/m ²
Izod notched impact strength (-30°C)	ISO 180/A	26	kJ/m ²
Tensile stress at yield	ISO 527	53	MPa
Tensile stress at break	ISO 527	45	MPa
Elongation at break	ISO 527	40	%
Flex modulus	ISO 178	2200	MPa

Flammability

Flammability (3,2mm)	UL94	HB	
Flammability (1,6mm)	UL94	HB	
Burning rate (FMVSS 302)	ISO 3795	53	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	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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