

Mablex[®] 274

PC/ABS Blend
Prime Compound

Description:

PC/ABS blend medium heat resistant grade

General

Density	ISO 1183	1.13	g/cm ³
Linear mould shrinkage	ISO 2577	0.5-0.7	%
MFI (260°C/5kg)	ISO 1133	13	g/10min

Thermal

HDT/A (1,82MPa)	ISO 75A	110	°C
Vicat softening point (B50 (50N))	ISO 306	124	°C
Vicat softening point (A50(10N))	ISO 306	132	°C
Ball pressure test (75°C)	IEC 335	Pass	°C

Mechanical

Izod notched impact strength (23°C)	ISO 180/A	55	kJ/m ²
Izod notched impact strength (-30°C)	ISO 180/A	30	kJ/m ²
Tensile stress at yield	ISO 527	58	MPa
Tensile stress at break	ISO 527	48	MPa
Elongation at break	ISO 527	52	%
Flex modulus	ISO 178	2400	MPa

Flammability

Flammability (3,2mm)	UL94	HB	
Flammability (1,6mm)	UL94	HB	
Burning rate (FMVSS 302)	ISO 3795	48	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

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