

Mablex[®] 280 AS

PC/ABS Blend
Prime Compound

Description:

PC/ABS designed for antisqueak and reduced coefficient of friction application; low odour & VOC to meet all global automotive OEM specification; suitable for injection moulding

General

Density	ISO 1183	1.13	g/cm ³
Linear mould shrinkage	ISO 2577	0.5-0.7	%
MFI (240°C/10kg)	ISO 1133	25	g/10min

Thermal

HDT/A (1,82MPa)	ISO 75A	114	°C
Vicat softening point (B50 (50N))	ISO 306	130	°C
Ball pressure test (75°C)	IEC 60695-10-2	Pass	°C

Mechanical

Izod notched impact strength (23 °C)	ISO 180	45	kJ/m ²
Izod notched impact strength (-30 °C)	ISO 180	30	kJ/m ²
Charpy notched impact strength (23 °C)	ISO 179	37	kJ/m ²
Tensile strength at yield (23 °C)	ISO 527	55	MPa
Tensile strength at break (23 °C)	ISO 527	50	MPa
Elongation at break (23 °C)	ISO 527	90	%
Flexural modulus (23 °C)	ISO 178	2200	MPa

Flammability

Burning rate (2,0 mm)	ISO 3795	40	mm/min
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	1.0E+14	Ohm
Friction Coefficient (Ring on Ring test)	JIS K 7218	0.13	
Squeak noise (min. load to generate)	Internal method	170	N
Squeak noise (Stick Slip Test)	VDA230-206	2	RPM