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Mablex[®] Eco PCB



PC/ABS Blend
Recycled Quality Compound

Description:

PC/ABS compound good impact and good heat resistance, recycled quality ISO 14021:2016 compliant, only available in black color.

General

Density	ISO 1183	1.14	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	113	°C
Vicat softening point (B50 (50N))	ISO 306	127	°C

Mechanical

Izod notched impact strength (23 °C)	ISO 180	50	kJ/m ²
Izod notched impact strength (-30 °C)	ISO 180	27	kJ/m ²
Charpy notched impact strength (23 °C)	ISO 179	45	kJ/m ²
Tensile strength at yield (23 °C)	ISO 527	53	MPa
Tensile strength at break (23 °C)	ISO 527	45	MPa
Elongation at break (23 °C)	ISO 527	40	%
Tensile modulus (23 °C)	ISO 527	2400	MPa
Flexural modulus (23 °C)	ISO 178	2300	MPa

Flammability

Flammability (1,6mm)	UL94 (tested internally)	HB	
Flammability (3,2mm)	UL94 (tested internally)	HB	
Glow wire flammability index (2,0 mm)	IEC 60695-2-12	750	°C