

Mablex PCB

Polycarbonate + ABS

Ravago Group

Message:

PC/ABS blend heat resistant grade

General Information			
Recycled Content	Yes		
Features	Medium Heat Resistance		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	20	g/10 min	ISO 1133
Molding Shrinkage	0.50 to 0.70	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	53.0	MPa	
Break	45.0	MPa	
Tensile Strain (Break)	35	%	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-30°C	30	kJ/m ²	
23°C	48	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Annealed)	113	°C	ISO 75-2/A
Vicat Softening Temperature			
--	138	°C	ISO 306/A50
--	130	°C	ISO 306/B50
Ball Pressure Test (75°C)	Pass		
Flammability	Nominal Value	Unit	Test Method
Flame Rating ¹			Internal Method
1.60 mm	HB		
3.20 mm	HB		
Glow Wire Flammability Index (2.00 mm)	750	°C	IEC 60695-2-12
NOTE			

1. UL94 internally tested

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