



Mablex® Eco PCB

Ravago Manufacturing Europe - Polycarbonate + ABS

General Information

Product Description

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

General

Material Status	• Commercial: Active
Availability	• Europe • North America
Recycled Content	• Yes
Features	• Good Heat Resistance • Good Impact Resistance
Agency Ratings	• ISO 14021 :2016
Appearance	• Black

Properties ¹

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 Modulus (23°C)	2400	MPa	ISO 527-1
Tensile Stress (Yield, 23°C)	53.0	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	45.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	40	%	ISO 527-2
Flexural Modulus (23°C)	2300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	45	kJ/m ²	ISO 179
Notched Izod Impact Strength			ISO 180/A
-30°C	27	kJ/m ²	
23°C	50	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	113	°C	ISO 75-2/A
Vicat Softening Temperature	127	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.6 mm	HB		
3.2 mm	HB		
Glow Wire Flammability Index (2.0 mm)	750	°C	IEC 60695-2-12

Notes

¹ Typical properties: these are not to be construed as specifications.