



# 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 <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm <sup>3</sup>	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 <sup>2</sup>	ISO 179
Notched Izod Impact Strength			ISO 180/A
-30°C	27	kJ/m <sup>2</sup>	
23°C	50	kJ/m <sup>2</sup>	
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

<sup>1</sup> Typical properties: these are not to be construed as specifications.