



Mablex® 459

Ravago Manufacturing Europe - Polycarbonate + ABS

General Information

Product Description

PC/ABS blend general purpose high gloss grade

General

Material Status	• Commercial: Active	
Availability	• Europe	• North America
Features	• General Purpose	• High Gloss
Uses	• General Purpose	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.10	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 (Yield)	53.0	MPa	ISO 527-2
Tensile Stress (Break)	45.0	MPa	ISO 527-2
Tensile Strain (Break)	40	%	ISO 527-2
Flexural Modulus	2200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/A
-30°C	26	kJ/m ²	
23°C	50	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	102	°C	ISO 75-2/A
Vicat Softening Temperature			
--	108	°C	ISO 306/B50
--	122	°C	ISO 306/A50
Ball Pressure Test (75°C)	Pass		
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Electric Strength (1.00 mm, in Oil)	24	kV/mm	IEC 60243-1
Comparative Tracking Index	500	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Burning Rate ²	53	mm/min	ISO 3795
Flame Rating			UL 94
1.6 mm	HB		
3.2 mm	HB		
Glow Wire Flammability Index (2.0 mm)	650	°C	IEC 60695-2-12