

Mablex 478

Polycarbonate + ABS

Ravago Group

Message:

PC/ABS blend extrusion grade V0 flame retardant antimony bromine and chlorine free

General Information			
Additive	Flame Retardant		
Features	Antimony Free		
	Bromine Free		
	Chlorine Free		
	Flame Retardant		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/2.16 kg)	8.0	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	58.0	MPa	
Break	46.0	MPa	
Tensile Strain (Break)	25	%	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-30°C	25	kJ/m ²	
23°C	50	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Annealed)	105	°C	ISO 75-2/A
Vicat Softening Temperature	110	°C	ISO 306/B50
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)	30	kV/mm	IEC 60243-1
Comparative Tracking Index	250	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating ¹			Internal Method

1.60 mm	V-0		
3.20 mm	V-0		
Glow Wire Flammability Index (2.00 mm)	960	°C	IEC 60695-2-12

NOTE

1.
- UL94 internally tested

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