Bayblend® M750

Polycarbonate + ABS

Covestro - Polycarbonates

Message:

(PC+ABS) blend; Vicat/B 120 temperature = 126°C; meet certain requirements of ISO Standard 10993-1. For further information please contact Covestro.

General Information			
RoHS Compliance	RoHS Compliant		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density (23°C)	1.12	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	11.0	cm³/10min	ISO 1133
Molding Shrinkage [1]			ISO 294-4
Across Flow : 260°C, 2.00 mm	0.70 to 0.90	%	
Flow : 260°C, 2.00 mm	0.70 to 0.90	%	
Water Absorption			ISO 62
Saturation, 23°C	0.60	%	
Equilibrium, 23°C, 50% RH	0.20	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	2000	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	47.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	4.8	%	ISO 527-2/50
Nominal Tensile Strain at Break (23°C)	> 50	%	ISO 527-2/50
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength			ISO 180/A
-30°C	35	kJ/m²	
23°C	45	kJ/m²	
Unnotched Izod Impact Strength (23°C)	No Break		ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	127	°C	ISO 75-2/B
1.8 MPa, Unannealed	104	°C	ISO 75-2/A
Vicat Softening Temperature	126	°C	ISO 306/B120
CLTE			ISO 11359-2
Flow : 23 to 55°C	8.5E-5	cm/cm/°C	
Transverse : 23 to 55°C	8.5E-5	cm/cm/°C	
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+16	ohms	IEC 60093
Volume Resistivity (23°C)	1.0E+16	ohms·cm	IEC 60093
Electric Strength (23°C, 1.00 mm)	35	kV/mm	IEC 60243-1

Relative Permittivity			IEC 60250
23°C, 100 Hz	3.00		
23°C, 1 MHz	2.90		
Dissipation Factor			IEC 60250
23°C, 100 Hz	2.5E-3		
23°C, 1 MHz	0.011		
Comparative Tracking Index (Solution A)	325	V	IEC 60112
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity [2] (260°C)	265	Pa·s	ISO 11443-A
NOTE			
1.	60x60x2 mm, 80°C MT, 500 bar		
2.	1000/s		

Recommended distributors for this material

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