

Covestro Makroblend® KU 2-7608 Polycarbonate + PBT, Mineral Filled Impact Grade

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

ISO 7792-1-PC/PBT,MHPR,-030,MD10(PC+PBT)-blendsimpact modifiedInjection molding grade 10% mineral filledPreprocessingMax.

Water content

Order this product through the following link:

http://www.lookpolymers.com/polymer_Covestro-Makroblend-KU-2-7608-Polycarbonate-PBT-Mineral-Filled-Impact-Grade.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	ISO 1183
	1.07 g/cc @Temperature 260 °C	0.0387 lb/in ³ @Temperature 500 °F	Melt
Water Absorption	0.60 %	0.60 %	Similar to ISO 62
Moisture Absorption at Equilibrium	0.20 %	0.20 %	Similar to ISO 62
Melt Flow	14 g/10 min	14 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 260 °C	@Load 11.0 lb, Temperature 500 °F	

Mechanical Properties	Metric	English	Comments
Tensile Modulus	2.60 GPa	377 ksi	ISO 527-1/-2

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	80.0 µm/m-°C	44.4 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	80.0 µm/m-°C	44.4 µin/in-°F	ISO 11359-1/-2
Specific Heat Capacity	1.70 J/g-°C	0.406 BTU/lb-°F	Melt
Thermal Conductivity	0.183 W/m-K	1.27 BTU-in/hr-ft ² -°F	Melt
Melting Point	221 °C	430 °F	ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	109 °C	228 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	87.0 °C	189 °F	ISO 75-1/-2
Flammability, UL94	HB	HB	IEC 60695-11-10
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Thermal Properties	Metric	English	Comments
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Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+13 ohm-cm	>= 1.00e+13 ohm-cm	IEC 60093
Surface Resistance	>= 1.00e+15 ohm	>= 1.00e+15 ohm	IEC 60093
Dielectric Constant	3.1	3.1	IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dielectric Strength	3.2	3.2	IEC 60250
	@Frequency 100 Hz	@Frequency 100 Hz	
Dissipation Factor	0.0039	0.0039	IEC 60250
Comparative Tracking Index	250 V	250 V	IEC 60112
	@Frequency 100 Hz	@Frequency 100 Hz	
Dissipation Factor	0.011	0.011	IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 270 °C	482 - 518 °F	Injection Molding; ISO 294
	260 °C	500 °F	
Mold Temperature	60.0 - 80.0 °C	140 - 176 °F	Injection Molding; ISO 10724
	70.0 °C	158 °F	
Ejection Temperature	170 °C	338 °F	
Injection Velocity	200 mm/sec	7.87 in/sec	ISO 294

Descriptive Properties	Value	Comments
Availability	Asia Pacific	
	Europe	
	India	
	Near East/Africa	
	North America	

Descriptive Properties	Value and Central America	Comments
Eff. thermal diffusivity (m ² /s)	1.01E-07	
Feature	Release agent	
Form	Pellets	
Process	Injection Molding	

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