

Covestro Makroblend® KU 2-7609 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,MD20(PC+PBT)-blendsimpact modifiedInjection molding grade20% mineral filledPreprocessingMax.

Water content

Order this product through the following link:

http://www.lookpolymers.com/polymer_Covestro-Makroblend-KU-2-7609-Polycarbonate-PBT-Mineral-Filled-Impact-Grade.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	ISO 1183
	1.11 g/cc @Temperature 260 °C	0.0401 lb/in ³ @Temperature 500 °F	Melt
Water Absorption	0.80 %	0.80 %	Similar to ISO 62
Moisture Absorption at Equilibrium	0.20 %	0.20 %	Similar to ISO 62
Melt Flow	12 g/10 min	12 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	3.40 GPa	493 ksi	ISO 527-1/-2

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	70.0 µm/m-°C	38.9 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	70.0 µm/m-°C	38.9 µin/in-°F	ISO 11359-1/-2
Specific Heat Capacity	1.66 J/g-°C	0.397 BTU/lb-°F	Melt
Thermal Conductivity	0.197 W/m-K	1.37 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)	106 °C	223 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	93.0 °C	199 °F	ISO 75-1/-2
Flammability, UL94	HB	HB	IEC 60695-11-10
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Thermal Properties	HB Metric	HB English	Comments
	@Thickness 0.800 mm	@Thickness 0.0315 in	IEC 60295-11-10
Oxygen Index	21 %	21 %	ISO 4589-1/-2

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	
Dielectric Strength	34.0 kV/mm	864 kV/in	IEC 60243-1
Dissipation Factor	0.0026	0.0026	IEC 60250
	@Frequency 100 Hz	@Frequency 100 Hz	
Comparative Tracking Index	0.0095	0.0095	IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Comparative Tracking Index	250 V	250 V	IEC 60112

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	

Descriptive Properties	Value	Comments
	North America	
	South and Central America	
Eff. thermal diffusivity (m ² /s)	1.08E-07	
Feature	Release agent	
Form	Pellets	
Process	Injection Molding	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China