

Covestro Bayblend® FR 3020 Polycarbonate + ABS, Mineral Filled

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

5 % mineral filledfor thin-wall applicationsinjection moldingVicat/B 120 = 103 °CHDT/A = 85 °Cvery good UL listing in small wall thickness (V-0 at 0.75 mm)PreprocessingMax. Water content

Order this product through the following link:

http://www.lookpolymers.com/polymer_Covestro-Bayblend-FR-3020-Polycarbonate-ABS-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	ISO 1183
Water Absorption	0.50 %	0.50 %	Similar to ISO 62
Moisture Absorption at Equilibrium	0.20 %	0.20 %	Similar to ISO 62
Melt Flow	24 g/10 min @Load 5.00 kg, Temperature 240 °C	24 g/10 min @Load 11.0 lb, Temperature 464 °F	estimated from MVR using room temperature density; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	65.0 MPa	9430 psi	ISO 527-1/-2
Elongation at Yield	4.0 %	4.0 %	ISO 527-1/-2
Tensile Modulus	3.20 GPa	464 ksi	ISO 527-1/-2

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	95.0 °C	203 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C	185 °F	ISO 75-1/-2
Vicat Softening Point	101 °C	214 °F	50°C/h 50N; ISO 306
Flammability, UL94	V-0 @Thickness 0.800 mm	V-0 @Thickness 0.0315 in	IEC 60695-11-10
	5VB @Thickness 2.00 mm	5VB @Thickness 0.0787 in	IEC 60695-11-20

Processing Properties	Metric	English	Comments
Melt Temperature	240 °C	464 °F	Injection Molding; ISO 294

Processing Properties	240 - 270 °C Metric	464 - 518 °F English	Comments
Mold Temperature	60.0 - 80.0 °C	140 - 176 °F	
	80.0 °C	176 °F	Injection Molding; ISO 10724
Injection Velocity	240 mm/sec	9.45 in/sec	ISO 294

Descriptive Properties	Value	Comments
Availability	Asia Pacific	
	Europe	
	India	
	Near East/Africa	
	South and Central America	
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