

DuPont Performance Polymers Crastin® LW9320LM BK591 PBT (Unverified Data**)

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 20% Glass Fiber Filled

Material Notes:

Crastin® LW9320LM is a 20% glass fiber reinforced polybutylene terephthalate blend for injection molding. It has excellent surface aspect, dimensional stability and low warpage and was developed for laser marking applications. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Crastin-LW9320LM-BK591-PBT-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	ISO 1183
Melt Index of Compound	4.5 g/10 min @Load 2.16 kg, Temperature 250 °C	4.5 g/10 min @Load 4.76 lb, Temperature 482 °F	cm ³ /10 min; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	115 MPa @Temperature 23.0 °C	16700 psi @Temperature 73.4 °F	ISO 527
Elongation at Break	2.3 % @Temperature 23.0 °C	2.3 % @Temperature 73.4 °F	ISO 527
Tensile Modulus	7.30 GPa @Temperature 23.0 °C	1060 ksi @Temperature 73.4 °F	ISO 527
Charpy Impact Unnotched	4.50 J/cm ² @Temperature 23.0 °C	21.4 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	0.700 J/cm ² @Temperature 23.0 °C	3.33 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	165 °C	329 °F	ISO 75-1/-2

Processing Properties	Metric	English	Comments
Melt Temperature	250 °C	482 °F	Optimum

Processing Properties	Metric	English	Comments
Mold Temperature	80.0 °C	176 °F	optimum
	30.0 - 130 °C	86.0 - 266 °F	
Drying Temperature	110 - 120 °C	230 - 248 °F	
Dry Time	2.00 - 4.00 hour	2.00 - 4.00 hour	
Moisture Content	<= 0.040 %	<= 0.040 %	

Descriptive Properties	Value	Comments
Drying Recommended	Yes	
Forms	Pellets	
Generic	PBT	
	PBT Alloy	
Material Status	Current	
Part Marking Code	>PBT+SAN-GF20<	ISO 11469
Processing Method	Injection Molding	
Product Category	Glass Reinforced Resins	
Resin Identification	PBT+SAN-GF20	ISO 1043
RoHS Compliance	Contact Manufacturer	

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