

DuPont Performance Polymers Crastin® S610SF BK851 PBT (Unverified Data**)

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

Material Notes:

Crastin® S610SF is an unreinforced, low viscosity polybutylene terephthalate for injection molding. It has high flow characteristics and is specifically suitable for super fast production. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Crastin-S610SF-BK851-PBT-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.017 cm/cm @Thickness 2.00 mm	0.017 in/in @Thickness 0.0787 in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.016 cm/cm @Thickness 2.00 mm	0.016 in/in @Thickness 0.0787 in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	60.0 MPa @Temperature 23.0 °C	8700 psi @Temperature 73.4 °F	ISO 527
Elongation at Break	13 % @Temperature 23.0 °C	13 % @Temperature 73.4 °F	nominal; ISO 527
Elongation at Yield	10 % @Temperature 23.0 °C	10 % @Temperature 73.4 °F	ISO 527
Tensile Modulus	2.60 GPa @Temperature 23.0 °C	377 ksi @Temperature 73.4 °F	ISO 527
Charpy Impact, Notched	0.400 J/cm ² @Temperature 23.0 °C	1.90 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	224 °C	435 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	54.0 °C	129 °F	ISO 75-1/-2

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	240 °C Metric	464 °F English	Optimum Comments
	235 - 260 °C	455 - 500 °F	
Mold Temperature	80.0 °C	176 °F	optimum
	30.0 - 130 °C	86.0 - 266 °F	
Drying Temperature	110 - 130 °C	230 - 266 °F	
Dry Time	2.00 - 4.00 hour	2.00 - 4.00 hour	
Moisture Content	<= 0.040 %	<= 0.040 %	

Descriptive Properties	Value	Comments
Appearance	Black Color	
Features	High productivity	
Forms	Pellets	
Generic	PBT	
Material Status	Preliminary Data	
Part Marking Code	>PBT<	ISO 11469
Processing Method	Injection Molding	
	Injection Molding	
	Injection Molding	
	Injection Molding	
Product Category	Fast Cycle Resins	
	Fast Cycle Resins	
	Unreinforced Resins	
Region Available - Global	Yes	
Resin Identification	PBT	ISO 1043
RoHS Compliance	Contact Manufacturer	
Uses	Automotive Applications	
	Fibers	

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