

DuPont Performance Polymers Crastin® SK692FR NC010 Polybutylene Terephthalate (PBT) (Unverified Data**)&

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

Material Notes:

15% Glass Reinforced Flame Retardant Polybutylene Terephthalate Crastin® SK692FR is a 15% glass reinforced flame retardant polybutylene terephthalate for injection moulding. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Crastin-SK692FR-NC010-Polybutylene-Terephthalate-PBT-nbspUnverified-Datal.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in³	
	1.55 g/cc	0.0560 lb/in³	ISO 1183
Viscosity	74660 cP	74660 cP	
	@Shear Rate 5000 1/s, Temperature 270 °C	@Shear Rate 5000 1/s, Temperature 518 °F	ISO 11403-1 -2
	85140 cP	85140 cP	
	@Shear Rate 5000 1/s, Temperature 260 °C	@Shear Rate 5000 1/s, Temperature 500 °F	ISO 11403-1 -2
	98010 cP	98010 cP	
	@Shear Rate 5000 1/s, Temperature 250 °C	@Shear Rate 5000 1/s, Temperature 482 °F	ISO 11403-1 -2
	212100 cP	212100 cP	
	@Shear Rate 500 1/s, Temperature 270 °C	@Shear Rate 500 1/s, Temperature 518 °F	ISO 11403-1 -2
	242000 cP	242000 cP	
	@Shear Rate 500 1/s, Temperature 260 °C	@Shear Rate 500 1/s, Temperature 500 °F	ISO 11403-1 -2
	278600 cP	278600 cP	
	@Shear Rate 500 1/s, Temperature 250 °C	@Shear Rate 500 1/s, Temperature 482 °F	ISO 11403-1 -2
Linear Mold Shrinkage, Flow	0.0070 cm/cm	0.0070 in/in	ISO 294-4 2577
Linear Mold Shrinkage, Transverse	0.010 cm/cm	0.010 in/in	ISO 294-4 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	115 MPa	16700 psi	ISO 527-1/-2

Elongation at Break Mechanical Properties	2.7% Metric	2.7% English	ISO 527-1/-2 Comments
Tensile Modulus	7.00 GPa	1020 ksi	ISO 527-1/-2
Charpy Impact Unnotched	3.80 J/cm²	18.1 ft-lb/in²	ISO 179/1eU
Charpy Impact, Notched	0.680 J/cm²	3.24 ft-lb/in²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	223 °C	433 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	199 °C	390 °F	ISO 75-1/-2
Flammability, UL94	V-0	V-0	IEC 60695-11-10
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-0	V-0	IEC 60695-11-10
	@Thickness 0.800 mm	@Thickness 0.0315 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	IEC 60093
Surface Resistance	>= 1.00e+15 ohm	>= 1.00e+15 ohm	IEC 60093
Comparative Tracking Index	175 V	175 V	IEC 60112
	175 - 250 V	175 - 250 V	UL 746A
	@Thickness 0.750 mm	@Thickness 0.0295 in	

Descriptive Properties	Value	Comments
Delivery Form	Pellets	
Part Marking Code	>PBT-GF15FR(17)<	ISO 11469
Processing	Injection Moulding	
Regional Availability	Asia Pacific	
	Europe	
	Global	
	Near East/Africa	
	North America	
	South and Central America	

UL recognition Descriptive Properties	UL Value	Comments
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