

DuPont Performance Polymers Crastin® SK642FR BK851 Polybutylene Terephthalate (PBT)

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 SK642FR BK851 is a black 15% glass fiber reinforced flame retardant polybutylene terephthalate for injection molding. It has a UL94 V-0 rating @ 0.75mm. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Crastin-SK642FR-BK851-Polybutylene-Terephthalate-PBT.php

Physical Properties	Metric	English	Comments
Density	1.58 g/cc	0.0571 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	100 MPa	14500 psi	ISO 527-1/-2
Elongation at Break	3.4 %	3.4 %	ISO 527-1/-2
Tensile Modulus	7.20 GPa	1040 ksi	ISO 527-1/-2
Flexural Strength	155 MPa	22500 psi	ISO 178

Thermal Properties	Metric	English	Comments
Melting Point	225 °C	437 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	218 °C	424 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	203 °C	397 °F	ISO 75-1/-2
Flammability, UL94	V-0	V-0	IEC 60695-11-10
	@Thickness 0.800 mm	@Thickness 0.0315 in	
Flammability, UL94	V-0	V-0	IEC 60695-11-10
	@Thickness 1.50 mm	@Thickness 0.0591 in	
Flame Spread	50 mm/min	2.0 in/min	ISO 3795 (FMVSS 302)
	@Thickness 1.00 mm	@Thickness 0.0394 in	
Oxygen Index	32 %	32 %	ISO 4589-1/-2

Descriptive Properties	Value	Comments
Part Marking Code		ISO 11469

Descriptive Properties	-PBT-GF15FR(17)- Value	Comments
Processing	Injection Moulding	
Regional Availability	Asia Pacific	
	Europe	
	Global	
	Near East/Africa	
	North America	
	South and Central America	
Resin Identification	PBT-GF15FR(17)	
UL recognition	UL	

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