

## DuPont Performance Polymers Crastin® SK645FR BK851 Polybutylene Terephthalate (PBT) (Unverified Data\*\*)&

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 30% Glass Fiber Filled

### Material Notes:

30% Glass Reinforced Flame Retardant Polybutylene Terephthalate Crastin SK645FR BK851 is a flame retardant 30% glass reinforced black polybutylene terephthalate molding resin. It is recognized as UL94V-0 at 0.75mm. Information provided by DuPont Performance Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Performance-Polymers-Crastin-SK645FR-BK851-Polybutylene-Terephthalate-PBT-nbspUnverified-Datal.php](http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Crastin-SK645FR-BK851-Polybutylene-Terephthalate-PBT-nbspUnverified-Datal.php)

Physical Properties	Metric	English	Comments
Density	1.69 g/cc	0.0611 lb/in <sup>3</sup>	ISO 1183
Viscosity	110800 cP	110800 cP	ISO 11403-1 -2
	@Shear Rate 5000 1/s, Temperature 260 °C	@Shear Rate 5000 1/s, Temperature 500 °F	
	124700 cP	124700 cP	ISO 11403-1 -2
	@Shear Rate 5000 1/s, Temperature 250 °C	@Shear Rate 5000 1/s, Temperature 482 °F	
	141400 cP	141400 cP	ISO 11403-1 -2
	@Shear Rate 5000 1/s, Temperature 240 °C	@Shear Rate 5000 1/s, Temperature 464 °F	
348200 cP	348200 cP	ISO 11403-1 -2	
@Shear Rate 500 1/s, Temperature 260 °C	@Shear Rate 500 1/s, Temperature 500 °F		
405300 cP	405300 cP	ISO 11403-1 -2	
@Shear Rate 500 1/s, Temperature 250 °C	@Shear Rate 500 1/s, Temperature 482 °F		
473400 cP	473400 cP	ISO 11403-1 -2	
@Shear Rate 500 1/s, Temperature 240 °C	@Shear Rate 500 1/s, Temperature 464 °F		
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 in/in	ISO 294-4 2577
Linear Mold Shrinkage, Transverse	0.012 cm/cm	0.012 in/in	ISO 294-4 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	114 MPa	16500 psi	ISO 527-1/-2
Elongation at Break	2.6 %	2.6 %	ISO 527-1/-2

Tensile Modulus Mechanical Properties	10.33 GPa Metric	1498 ksi English	ISO 527-1/-2 Comments
Flexural Strength	180 MPa	26100 psi	ISO 178
Charpy Impact Unnotched	5.00 J/cm <sup>2</sup>	23.8 ft-lb/in <sup>2</sup>	ISO 179/1eU
Charpy Impact, Notched	0.800 J/cm <sup>2</sup>	3.81 ft-lb/in <sup>2</sup>	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	225 °C	437 °F	10°C/min; ISO 11357-1/-3
Flammability, UL94	V-0 @Thickness 0.800 mm	V-0 @Thickness 0.0315 in	IEC 60695-11-10

Descriptive Properties	Value	Comments
Part Marking Code	>PBT-GF30 FR(17)<	ISO 11469
Processing	Injection Moulding	
Regional Availability	Asia Pacific	
	Europe	
	Global	
	Near East/Africa	
	North America	
	South and Central America	
Resin Identification	PBT-GF30(17)	

## Contact Songhan Plastic Technology Co.,Ltd.

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