

## DuPont Performance Polymers Crastin® S650FR BK851 Polybutylene Terephthalate (PBT) (Unverified Data\*\*)<

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

### Material Notes:

Unreinforced Flame Retardant Polybutylene Terephthalate Crastin S650FR is an unreinforced black flame retardant polybutylene terephthalate for injection molding. Information provided by DuPont Performance Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Performance-Polymers-Crastin-S650FR-BK851-Polybutylene-Terephthalate-PBT-nbspUnverified-Dataalt.php](http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Crastin-S650FR-BK851-Polybutylene-Terephthalate-PBT-nbspUnverified-Dataalt.php)

Physical Properties	Metric	English	Comments
Density	1.46 g/cc	0.0527 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.018 cm/cm	0.018 in/in	ISO 294-4 2577
Linear Mold Shrinkage, Transverse	0.016 cm/cm	0.016 in/in	ISO 294-4 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	65.0 MPa	9430 psi	ISO 527-1/-2
Elongation at Break	7.2 %	7.2 %	Nominal; ISO 527-1/-2
Elongation at Yield	4.6 %	4.6 %	ISO 527-1/-2
Tensile Modulus	3.00 GPa	435 ksi	ISO 527-1/-2
Flexural Strength	100 MPa	14500 psi	ISO 178
Charpy Impact Unnotched	6.00 J/cm <sup>2</sup>	28.6 ft-lb/in <sup>2</sup>	ISO 179/1eU
Charpy Impact, Notched	0.380 J/cm <sup>2</sup>	1.81 ft-lb/in <sup>2</sup>	ISO 179/1eA
	0.340 J/cm <sup>2</sup> @Temperature -30.0 °C	1.62 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 179/1eA

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)	160 °C	320 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C	149 °F	ISO 75-1/-2
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	IEC 60695-11-10

Thermal Properties	Metric	English	Comments
	@Thickness 0.800 mm	@Thickness 0.0315 in	IEC 60695-11-10
Oxygen Index	30 %	30 %	ISO 4589-1/-2

Descriptive Properties	Value	Comments
Part Marking Code	>PBT-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-FR(17)	
UL recognition	UL	

## Contact Songhan Plastic Technology Co.,Ltd.

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