DuPont Performance Polymers Zytel® ST800HSL BK152 Nylon 66 (Unverified Data**)

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Impact Grade

Material Notes:

Super Toughened Heat Stabilized Polyamide 66 Zytel ST800HSL BK152 is a heat stabilized Super Tough black polyamide 66 resin. It offers outstanding impact resistance high productivity and laser markability.Information provided by DuPont Performance Polymers

Order this product through the following link:
http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Zytel-ST800HSL-BK152-Nylon-66-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in³	DAM; ISO 1183
Linear Mold Shrinkage, Flow	0.018 cm/cm	0.018 in/in	DAM; ISO 294-4 2577
Linear Mold Shrinkage, Transverse	0.018 cm/cm	0.018 in/in	DAM; ISO 294-4 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	51.0 MPa	7400 psi	DAM; ISO 527-1/-2
Elongation at Break	38 %	38 %	DAM; Nominal; ISO 527-1/-2
Elongation at Yield	6.0 %	6.0 %	DAM; ISO 527-1/-2
Tensile Modulus	2.003 GPa	290.5 ksi	DAM; ISO 527-1/-2
Charpy Impact Unnotched	NB	NB	DAM; ISO 179/1eU
Charpy Impact, Notched	7.20 J/cm²	34.3 ft-lb/in²	DAM; ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	110 µm/m-°C	61.1 µin/in-°F	DAM; ISO 11359-1/-2
CTE, linear, Transverse to Flow	120 µm/m-°C	66.7 µin/in-°F	DAM; ISO 11359-1/-2
Melting Point	263 °C	505 °F	DAM; 10°C/min; ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	61.0 °C	142 °F	DAM; ISO 75-1/-2
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	DAM; IEC 60695-11-10
	HB @Thickness 0.800 mm	HB @Thickness 0.0315 in	DAM; IEC 60695-11-10

Descriptive Properties	Value	Comments
Additives	Lubricants	
Delivery Form	Pellets	
Part Marking Code	>PA66-HI<	ISO 11469
Processing	Injection Moulding	
Regional Availability	North America	
	South and Central America	
Resin Identification	PA66-HI	
Special Characteristics	Heat stabilised or stable to heat	

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