

DuPont Performance Polymers Zytel® 73G30TGI BK267 Nylon 6 (Unverified Data**)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 30% Glass Fiber Filled

Material Notes:

Zytel® 73G30TGI BK267 is a 30% glass fiber reinforced, toughened, black polyamide 6 optimized for gas injection molding process. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Zytel-73G30TGI-BK267-Nylon-6-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	DAM; ISO 1183
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	163 MPa	23600 psi	DAM; ISO 527
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	3.3 %	3.3 %	DAM; ISO 527
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Tensile Modulus	9.40 GPa	1360 ksi	DAM; ISO 527
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Flexural Strength	260 MPa	37700 psi	DAM; ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Flexural Modulus	8.80 GPa	1280 ksi	DAM; ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Notched (ISO)	11.0 kJ/m ²	5.23 ft-lb/in ²	DAM; ISO 180/1A
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Charpy Impact, Notched	16.0 kJ/m ²	7.61 ft-lb/in ²	DAM; ISO 180/1A
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	1.40 J/cm ²	6.66 ft-lb/in ²	DAM; ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	DAM; ISO 11357-1/-3

Thermal Properties	@Temperature 23.0 °C Metric	@Temperature 73.4 °F English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	206 °C	403 °F	DAM; ISO 75-1/-2

Processing Properties	Metric	English	Comments
Melt Temperature	270 °C	518 °F	DAM; Optimum
	260 - 280 °C	500 - 536 °F	DAM
Mold Temperature	70.0 - 120 °C	158 - 248 °F	DAM
	100 °C	212 °F	DAM; optimum
Drying Temperature	80.0 °C	176 °F	DAM
Dry Time	2.00 - 4.00 hour	2.00 - 4.00 hour	DAM
Moisture Content	<= 0.20 %	<= 0.20 %	DAM

Descriptive Properties	Value	Comments
Appearance	Black Color	DAM
Forms	Pellets	DAM
Generic	PA6	DAM
Material Status	Preliminary Data	DAM
Processing Method	Injection Molding	DAM
Product Category	Gas Injection Resins	DAM
	Glass Reinforced Resins	DAM
	Toughened Resins	DAM
RoHS Compliance	Contact Manufacturer	DAM

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