

DuPont Performance Polymers Zytel® PLS FR95G15DH2 BK269 Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 20% Glass Fiber Filled

Material Notes:

15% Glass Reinforced Flame Retardant Heat Stabilized Polyamide Zytel PLSFR95G15DH2 BK269 is 15% glass reinforced flame retardant black PA using SHIELD Technology only from DuPont exceptional resistance in hot air. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Zytel-PLS-FR95G15DH2-BK269-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in ³	DAM; ISO 1183
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 in/in	DAM; ISO 294-4 2577
Linear Mold Shrinkage, Transverse	0.0070 cm/cm	0.0070 in/in	DAM; ISO 294-4 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	138 MPa	20000 psi	DAM; ISO 527-1/-2
Elongation at Break	2.6 %	2.6 %	DAM; ISO 527-1/-2
Tensile Modulus	7.35 GPa	1070 ksi	DAM; ISO 527-1/-2
Flexural Strength	197 MPa	28600 psi	DAM; ISO 178
Flexural Modulus	6.50 GPa	943 ksi	DAM; ISO 178
Charpy Impact Unnotched	3.90 J/cm ²	18.6 ft-lb/in ²	DAM; ISO 179/1eU
	3.60 J/cm ² @Temperature -30.0 °C	17.1 ft-lb/in ² @Temperature -22.0 °F	DAM; ISO 179/1eU
Charpy Impact, Notched	0.640 J/cm ²	3.05 ft-lb/in ²	DAM; ISO 179/1eA
	0.620 J/cm ² @Temperature -30.0 °C	2.95 ft-lb/in ² @Temperature -22.0 °F	DAM; ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	DAM; 10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	258 °C	496 °F	DAM; ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	237 °C	459 °F	DAM; ISO 75-1/-2

Thermal Properties	V-0 Metric	V-0 English	Comments
	@Thickness 1.50 mm	@Thickness 0.0591 in	DAM; IEC 60695-11-10
	V-0	V-0	DAM; IEC 60695-11-10
	@Thickness 0.800 mm	@Thickness 0.0315 in	

Descriptive Properties	Value	Comments
Additives	Release agent	
Delivery Form	Pellets	
Part Marking Code	>PA-GF15FR(17)<	ISO 11469
Processing	Injection Moulding	
Regional Availability	Asia Pacific	
	Europe	
	Global	
	Near East/Africa	
	North America	
	South and Central America	
Resin Identification	PA-GF15FR(17)	
Special Characteristics	Heat stabilised or stable to heat	

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