

DuPont Performance Polymers Zytel® 70G35NOX BK309 Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , 40% Glass Fiber Filled

Material Notes:

Zytel® 70G35NOX BK309 is a 35% glass reinforced, polyamide 66 resin developed for Selective Catalytic Reduction applications that require exposure to water/urea solution. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Zytel-70G35NOX-BK309-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	DAM; ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	140 MPa	20300 psi	5mm/min; 50%RH; ISO 527
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	220 MPa	31900 psi	5mm/min; DAM; ISO 527
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	3.0 %	3.0 %	5mm/min; DAM; ISO 527
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	5.0 %	5.0 %	5mm/min; 50%RH; ISO 527
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Tensile Modulus	8.30 GPa	1200 ksi	50%RH; ISO 527
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	12.0 GPa	1740 ksi	DAM; ISO 527
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	8.00 J/cm ²	38.1 ft-lb/in ²	DAM; ISO 179/1eU
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	9.00 J/cm ²	42.8 ft-lb/in ²	50%RH; ISO 179/1eU
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	1.20 J/cm ²	5.71 ft-lb/in ²	DAM; ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	1.50 J/cm ²	7.14 ft-lb/in ²	50%RH; ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	263 °C	505 °F	10°C/min; DAM; ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	252 °C	486 °F	DAM; ISO 75-1/-2

Processing Properties	Metric	English	Comments
Melt Temperature	295 °C	563 °F	DAM; Optimum; Injection Molding
	285 - 305 °C	545 - 581 °F	DAM; Injection Molding
Mold Temperature	70.0 - 120 °C	158 - 248 °F	DAM; Injection Molding
	100 °C	212 °F	DAM; optimum; Injection Molding
Drying Temperature	80.0 °C	176 °F	DAM; Injection Molding
Dry Time	2.00 - 4.00 hour	2.00 - 4.00 hour	DAM; Injection Molding
Moisture Content	<= 0.20 %	<= 0.20 %	DAM; Injection Molding

Descriptive Properties	Value	Comments
Generic	PA66	DAM
Product Category	Glass Reinforced Resins	DAM

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China