

DuPont Performance Polymers Zytel® FN718 BK230A Nylon 66 (Unverified Data**)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Zytel® FN718 BK230A is a flexible, plasticizer free modified black polyamide 66 resin having good heat aging and chemical resistance. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Zytel-FN718-BK230A-Nylon-66-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	DAM; ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	36.0 MPa	5220 psi	DAM; ISO 527
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	>= 50 %	>= 50 %	DAM; nominal; ISO 527
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	170 %	170 %	DAM; nominal; ISO 527
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	200 %	200 %	DAM; ISO 527
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Tensile Modulus	0.930 GPa	135 ksi	DAM; ISO 527
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Flexural Modulus	0.980 GPa	142 ksi	DAM; ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Notched (ISO)	25.0 kJ/m ²	11.9 ft-lb/in ²	DAM; ISO 180/1A
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	60.0 kJ/m ²	28.6 ft-lb/in ²	DAM; ISO 180/1A
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	95.0 kJ/m ²	45.2 ft-lb/in ²	DAM; ISO 180/1A
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	3.00 J/cm ²	14.3 ft-lb/in ²	DAM; ISO 179/1eA
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Mechanical Properties	Metric ^{cm²}	English ^{lb/in²}	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	DAM; ISO 1135/1cA

Thermal Properties	Metric	English	Comments
Melting Point	263 °C	505 °F	10°C/min; DAM; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	68.0 °C	154 °F	DAM; ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	DAM; ISO 75-1/-2

Processing Properties	Metric	English	Comments
Melt Temperature	285 °C	545 °F	DAM; Optimum; Injection Molding
	275 - 295 °C	527 - 563 °F	DAM; Injection Molding
Mold Temperature	60.0 °C	140 °F	DAM; optimum; Injection Molding
	40.0 - 80.0 °C	104 - 176 °F	DAM; 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
Appearance	Black Color	DAM
Forms	Pellets	DAM
Generic	Nylon 66	DAM
Material Status	Current	DAM
Part Marking Code	>PA66-F<	ISO 11469; DAM
Processing Method	Injection Molding	DAM
Product Category	Extrusion Resins	DAM
	Toughened Resins	DAM
	Unreinforced Resins	DAM
Region Available - Global	Yes	DAM
Resin Identification	PA66-F	ISO 1043; 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