

DuPont Performance Polymers Zytel® 101F BKB009 Nylon 66 (Unverified Data**)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Unreinforced Polyamide 66 Zytel 101F BKB009 is an internally lubricated polyamide 66 resin for injection molding. It was developed for fast cycles and high productivity. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Zytel-101F-BKB009-Nylon-66-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	DAM; ISO 1183
Linear Mold Shrinkage, Flow	0.014 cm/cm	0.014 in/in	DAM; ISO 294-4 2577
Linear Mold Shrinkage, Transverse	0.013 cm/cm	0.013 in/in	DAM; ISO 294-4 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	82.0 MPa	11900 psi	DAM; ISO 527-1/-2
Elongation at Break	18 %	18 %	DAM; Nominal; ISO 527-1/-2
Elongation at Yield	4.5 %	4.5 %	DAM; ISO 527-1/-2
Tensile Modulus	3.10 GPa	450 ksi	DAM; ISO 527-1/-2
Flexural Modulus	2.80 GPa	406 ksi	DAM; ISO 178
Izod Impact, Notched (ISO)	5.50 kJ/m ²	2.62 ft-lb/in ²	DAM; ISO 180/1A
	5.00 kJ/m ²	2.38 ft-lb/in ²	DAM; ISO 180/1A
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Charpy Impact, Notched	0.550 J/cm ²	2.62 ft-lb/in ²	DAM; ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	262 °C	504 °F	DAM; 10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	195 °C	383 °F	DAM; ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	DAM; ISO 75-1/-2
Flammability, UL94	V-2	V-2	DAM; IEC 60695-11-10
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Thermal Properties	V-2 Metric	V-2 English	Comments
	@Thickness 0.700 mm	@Thickness 0.0276 in	UL94 V-0 80695-11-10

Descriptive Properties	Value	Comments
Part Marking Code	>PA66<	ISO 11469
Processing	Injection Moulding	
Regional Availability	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	
Resin Identification	PA66	
UL recognition	UL	DAM

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