

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

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Unreinforced Polyamide 66 Zytel 101L BKB009 is a lubricated polyamide 66 resin for injection molding. Information provided by DuPont Performance Polymers

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	DAM; ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	88.0 MPa	12800 psi	DAM; ISO 527-1/-2
Elongation at Break	16 %	16 %	DAM; Nominal; ISO 527-1/-2
Elongation at Yield	4.6 %	4.6 %	DAM; ISO 527-1/-2
Tensile Modulus	3.05 GPa	442 ksi	DAM; ISO 527-1/-2
Flexural Modulus	2.80 GPa	406 ksi	DAM; ISO 178
Charpy Impact Unnotched	20.3 J/cm ²	96.6 ft-lb/in ²	DAM; ISO 179/1eU
	13.4 J/cm ² @Temperature -30.0 °C	63.8 ft-lb/in ² @Temperature -22.0 °F	DAM; ISO 179/1eU
Charpy Impact, Notched	0.400 J/cm ²	1.90 ft-lb/in ²	DAM; ISO 179/1eA
	0.370 J/cm ² @Temperature -30.0 °C	1.76 ft-lb/in ² @Temperature -22.0 °F	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)	200 °C	392 °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 @Thickness 0.700 mm	V-2 @Thickness 0.0276 in	DAM; IEC 60695-11-10

Descriptive Properties	Value	Comments
Part Marking Code	>PA66<	ISO 11469
Processing	Injection Moulding	
Regional Availability	North America	
	South and Central America	
Resin Identification	PA66	

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