

## DuPont Performance Polymers Zytel® 101L BKB080 Nylon 66 (Unverified Data\*\*)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

### Material Notes:

Unreinforced Polyamide 66 Zytel 101L BKB080 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-BKB080-Nylon-66-nbspUnverified-Data.php](http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Zytel-101L-BKB080-Nylon-66-nbspUnverified-Data.php)

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

Mechanical Properties	Metric	English	Comments
Hardness, H358/30	85.0 MPa	12300 psi	50%RH; DS; ISO 2039-1
	180 MPa	26100 psi	DAM; DS; ISO 2039-1
Tensile Strength, Yield	55.0 MPa	7980 psi	50%RH; ISO 527-1/-2
	82.0 MPa	11900 psi	DAM; ISO 527-1/-2
Elongation at Break	25 %	25 %	DAM; Nominal; ISO 527-1/-2
	>= 50 %	>= 50 %	50%RH; Nominal; ISO 527-1/-2
Elongation at Yield	4.3 %	4.3 %	DAM; ISO 527-1/-2
	25 %	25 %	50%RH; ISO 527-1/-2
Tensile Modulus	1.40 GPa	203 ksi	50%RH; ISO 527-1/-2
	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 <sup>2</sup>	2.62 ft-lb/in <sup>2</sup>	DAM; ISO 180/1A
Izod Impact, Unnotched (ISO)	NB	NB	DAM; ISO 180/1U
Charpy Impact Unnotched	NB	NB	DAM; ISO 179/1eU
Charpy Impact, Notched	0.550 J/cm <sup>2</sup>	2.62 ft-lb/in <sup>2</sup>	DAM; ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	262 °C	504 °F	DAM; 10°C/min; ISO 11357-1/-3

Thermal Properties	200 °C Metric	392 °F English	DAM: ISO 75-1/-2 Comments
Deflection Temperature at 0.46 MPa (64 psi)	70.0 °C	158 °F	DAM; ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)			
Flammability, UL94	V-2 @Thickness 0.700 mm	V-2 @Thickness 0.0276 in	DAM; IEC 60695-11-10

Descriptive Properties	Value	Comments
Emission of organic compounds	38 µgC/g	VDA 277
Odour	class 3	VDA 270
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	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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