

## DuPont Performance Polymers Zytel® BM70G15HSLR BK537 Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Glass Fiber Filled

### Material Notes:

Zytel® BM70G15HSLR BK537 is a 15% glass fiber reinforced polyamide 66 for blow molding. Information provided by DuPont Performance Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Performance-Polymers-Zytel-BM70G15HSLR-BK537-Nylon-66.php](http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Zytel-BM70G15HSLR-BK537-Nylon-66.php)

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in <sup>3</sup>	DAM; ISO 1183
Filler Content	15 %	15 %	DAM
Linear Mold Shrinkage, Flow	0.0039 cm/cm	0.0039 in/in	DAM; ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	60.0 MPa	8700 psi	50%RH; ISO 527
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	110 MPa	16000 psi	DAM; ISO 527
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	4.5 %	4.5 %	DAM; ISO 527
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	21 %	21 %	50%RH; ISO 527
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Tensile Modulus	3.50 GPa	508 ksi	50%RH; ISO 527
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	5.40 GPa	783 ksi	DAM; ISO 527
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	7.10 J/cm <sup>2</sup>	33.8 ft-lb/in <sup>2</sup>	50%RH; ISO 179/1eU
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	7.10 J/cm <sup>2</sup>	33.8 ft-lb/in <sup>2</sup>	DAM; ISO 179/1eU
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	1.40 J/cm <sup>2</sup>	6.66 ft-lb/in <sup>2</sup>	50%RH; ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Mechanical Properties	1.40 J/cm <sup>2</sup> Metric	6.66 ft-lb/in <sup>2</sup> English	Comments 79/1eA
	@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)	228 °C	442 °F	DAM; ISO 75-1/-2

Processing Properties	Metric	English	Comments
Melt Temperature	290 °C	554 °F	DAM; Optimum; Blow Molding
	285 - 305 °C	545 - 581 °F	DAM; Blow Molding
Drying Temperature	100 - 110 °C	212 - 230 °F	DAM; Blow Molding
Dry Time	4.00 - 5.00 hour	4.00 - 5.00 hour	DAM; Blow Molding
Moisture Content	<= 0.050 %	<= 0.050 %	DAM; Blow Molding

Descriptive Properties	Value	Comments
Appearance	Black Color	DAM
Drying Recommended	Yes, if moisture content of resin exceeds recommended level	DAM
Filler	Glass fiber reinforcement	DAM
Forms	Pellets	DAM
Generic	Nylon 66	DAM
Material Status	Preliminary Data	DAM
Part Marking Code	>PA66-IGF15<	ISO 11469; DAM
Polymer Family	Polyamide	DAM
Polymer Type	PA66	DAM
Processing Method	Blow Molding	DAM
Product Category	Blow Moldable Resins	DAM
	Glass Reinforced Resins	DAM
Region Available - Global	Yes	DAM
Resin Identification	PA66-IGF15	ISO 1043; DAM
RoHS Compliance	Contact Manufacturer	DAM

Descriptive Properties	Value	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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