

## BASF Nypel® 6030G HS DB BK 5830 30% Glass Filled PA6 (Dry)

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% Glass Fiber Filled

### Material Notes:

Description: Nypel® 6030G HS DB BK5830 is a 30% glass fiber reinforced, heat stabilized, black pigmented, injection molding compound based on recycled PA6..Application: Nypel® 6030G HS DB BK5830 is generally recommended for applications such as bolts, racks, automotive underhood components, pressure regulator housings and caps.Information provided by BASF

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BASF-Nypel-6030G-HS-DB-BK-5830-30-Glass-Filled-PA6-Dry.php](http://www.lookpolymers.com/polymer_BASF-Nypel-6030G-HS-DB-BK-5830-30-Glass-Filled-PA6-Dry.php)

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption at Equilibrium	1.9 %	1.9 %	50% RH
	6.7 %	6.7 %	Saturation
Melt Flow	46.92 g/10 min	46.92 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	157 MPa	22800 psi	ISO 527
Elongation at Break	2.8 %	2.8 %	ISO 527
Tensile Modulus	9.33 GPa	1350 ksi	ISO 527
Flexural Strength	241 MPa	35000 psi	ISO 178
Flexural Modulus	9.09 GPa	1320 ksi	ISO 178
Izod Impact, Notched (ISO)	6.50 kJ/m <sup>2</sup>	3.09 ft-lb/in <sup>2</sup>	ISO 180
Charpy Impact Unnotched	5.10 J/cm <sup>2</sup>	24.3 ft-lb/in <sup>2</sup>	ISO 179
Charpy Impact, Notched	0.640 J/cm <sup>2</sup>	3.05 ft-lb/in <sup>2</sup>	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO 3146
Deflection Temperature at 0.46 MPa (66 psi)	215 °C	419 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	204 °C	399 °F	ISO 75

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 295 °C	518 - 563 °F	

Processing Properties	Metric	English	Comments
Mold Temperature	80.0 - 95.0 °C	176 - 203 °F	
Dry Time	2 - 4 hour	2 - 4 hour	
Moisture Content	0.10 %	0.10 %	

Descriptive Properties	Value	Comments
Color	BK 5830	
Commercial Status	North America	

## Contact Songhan Plastic Technology Co.,Ltd.

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