

BASF Nypel® 2314 HS BK6 PA6 (Dry)

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

Material Notes:

Description: Nypel® 2314 HS BK6 is a black pigmented, low viscosity, heat stabilized, semi crystalline, injection molding compound based on recycled PA6 feedstocks. It also offers the following: good chemical and thermal aging resistance, good flow and processability, as well as good dimensional stability. Application: Nypel® 2314 HS BK6 is generally recommended for applications such as hardware, handles, clips and fasteners. Information provided by BASF

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Nypel-2314-HS-BK6-PA6-Dry.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	1.6 %	1.6 %	24 Hours
	2.7 %	2.7 %	50% RH
	9.5 %	9.5 %	Saturation

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	80.0 MPa	11600 psi	ISO 527
Elongation at Break	44 %	44 %	Nominal; ISO 527
Flexural Modulus	2.62 GPa	380 ksi	ISO 178
Izod Impact, Notched (ISO)	5.50 kJ/m ²	2.62 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	58.0 °C	136 °F	ISO 75
UL RTI, Electrical	65.0 °C	149 °F	746B
	@Thickness 1.50 mm	@Thickness 0.0591 in	
UL RTI, Mechanical with Impact	65.0 °C	149 °F	746B
	@Thickness 1.50 mm	@Thickness 0.0591 in	
UL RTI, Mechanical without Impact	65.0 °C	149 °F	746B
	@Thickness 1.50 mm	@Thickness 0.0591 in	
Flammability, UL94	HB	HB	

Thermal Properties	@Thickness 1.50 mm Metric	@Thickness 0.0591 in English	Comments
Processing Properties	Metric	English	Comments
Melt Temperature	240 - 285 °C	464 - 545 °F	
Mold Temperature	65.0 - 80.0 °C	149 - 176 °F	
Dry Time	2 - 4 hour	2 - 4 hour	
Moisture Content	0.15 %	0.15 %	

Descriptive Properties	Value	Comments
Color	BK 6	
Commercial Status	North America	

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