

BASF Ultramid® HPN 9233G HS BK 102 33% Glass Filled PA6 (Conditioned)

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

Material Notes:

Description: Ultramid HPN 9233G HS BK-102 is a heat stabilized, pigmented black, 33% glass reinforced PA6 injection molding grade resin in the High Productivity Nylon Series developed for improved cycle times while maintaining excellent properties. It exhibits high strength, rigidity and heat resistance. Surface appearance has been improved, cycle times reduced and creep resistance retained. This heat stabilizer version extends the retention of mechanical properties at elevated temperatures while maintaining excellent chemical resistance to greases, oils and hydrocarbons. Applications: window locks, valve bodies, chair shells, door and window hardware, connectors, switch components, relay parts, terminal blocks, power tool housings, gears, chainsaws, blowers, trimmer housings and automotive housings. Information provided by BASF

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultramid-HPN-9233G-HS-BK-102-33-Glass-Filled-PA6-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.39 g/cc	0.0502 lb/in ³	ASTM D792
Moisture Absorption at Equilibrium	1.1 %	1.1 %	24 Hours; ASTM D570
	1.8 %	1.8 %	50% RH; ASTM D570
	6.4 %	6.4 %	Saturation; ASTM D570
Linear Mold Shrinkage	0.00762 cm/cm	0.00762 in/in	1/8" bar

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 295 °C	518 - 563 °F	
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 102	
Commercial Status	North America	

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