

BASF Ultramid® 66 H2 G/35-V0KB NAT 0046 35% Glass Filled PA66 (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% Glass Fiber Filled

Material Notes:

Description: Ultramid 66 H2 G/35-V0KB NAT0046 is a 35% glass reinforced, heat stabilized injection molding grade. It is a V-0 self-extinguishing grade, with phosphorous. It offers good flowability and mechanical properties. It has excellent electrical

properties. Applications: Ultramid 66H2 G/35-V0KB NAT0046 is designed for applications requiring good processing, mechanical integrity and flammability performance. Information provided by BASF

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultramid-66-H2-G35-V0KB-NAT-0046-35-Glass-Filled-PA66-Dry.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	175 MPa	25400 psi	ISO 527
Elongation at Break	2.7 %	2.7 %	ISO 527
Tensile Modulus	11.3 GPa	1640 ksi	ISO 527
Flexural Modulus	10.7 GPa	1550 ksi	ISO 178
Izod Impact, Notched (ISO)	9.00 kJ/m ²	4.28 ft-lb/in ²	ISO 180
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	10.0 kJ/m ²	4.76 ft-lb/in ²	ISO 180
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.900 J/cm ²	4.28 ft-lb/in ²	ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	1.00 J/cm ²	4.76 ft-lb/in ²	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	247 °C	477 °F	ISO 75

Processing Properties	Metric	English	Comments
Melt Temperature	285 - 300 °C	545 - 572 °F	

Processing Properties	Metric ^{90.0 °C}	English ^{175.104 °F}	Comments
Dry Time	2 - 4 hour	2 - 4 hour	
Moisture Content	<= 0.050 %	<= 0.050 %	

Descriptive Properties	Value	Comments
Color	NAT 0046	
Commercial Status	North America	

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