

BASF Ultramid® N-265 NF3001 40% Mineral Filled PA66 (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% Mineral Filled

Material Notes:

Ultramid N-265 NF3001 is a general purpose, 40% mineral reinforced PA6/6 that provides excellent flatness and dimensional stability in injection molding.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultramid-N-265-NF3001-40-Mineral-Filled-PA66-Dry.php

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in ³	ISO 1183
Water Absorption	5.1 %	5.1 %	ISO 62
Moisture Absorption at Equilibrium	1.5 %	1.5 %	23°C/50% R.H.; ISO 62
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	ASTM Data; MD

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	100 MPa	14500 psi	5mm/min; ISO 527
Elongation at Break	3.0 %	3.0 %	5mm/min; ISO 527
Tensile Modulus	9.90 GPa	1440 ksi	1mm/min; ISO 527
Flexural Modulus	9.30 GPa	1350 ksi	ISO Data
Izod Impact, Notched (ISO)	3.10 kJ/m ²	1.48 ft-lb/in ²	ISO Test
Charpy Impact Unnotched	3.00 J/cm ²	14.3 ft-lb/in ²	ISO 179
	2.50 J/cm ²	11.9 ft-lb/in ²	ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	0.300 J/cm ²	1.43 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	257 °C	495 °F	10 K/min
	257 °C	495 °F	ASTM Test
Deflection Temperature at 0.46 MPa (66 psi)	240 °C	464 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	215 °C	419 °F	ISO 75

Descriptive Properties	Value	Comments
Color	Natural	
Commercial Status	Active America	
Impact Modified	No	
Primary Processing Technique	Injection Molding	

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