

BASF Ultramid® 1003-2 NF2002 PA66 (Conditioned)

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Unreinforced

Material Notes:

Ultramid 1003-2 NF2002 is a general purpose, heat stabilized nylon 6/6.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultramid-1003-2-NF2002-PA66-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	dry; ISO 1183
Water Absorption	8.5 %	8.5 %	beginning dry; ISO 62
Moisture Absorption at Equilibrium	2.5 %	2.5 %	beginning dry (23°C/50% R.H.); ISO 62
Linear Mold Shrinkage	0.016 cm/cm	0.016 in/in	ASTM Data; MD

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	54.0 MPa	7830 psi	50mm/min; ISO 527
Elongation at Break	>= 50 %	>= 50 %	50mm/min, Nominal strain; ISO 527
Elongation at Yield	25 %	25 %	50mm/min; ISO 527
Tensile Modulus	1.25 GPa	181 ksi	1mm/min; ISO 527
Flexural Modulus	1.15 GPa	167 ksi	ISO Data
Izod Impact, Notched (ISO)	12.0 kJ/m ²	5.71 ft-lb/in ²	ISO Test
Charpy Impact Unnotched	NB	NB	ISO 179
	NB	NB	ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	1.30 J/cm ²	6.19 ft-lb/in ²	ISO 179
	0.400 J/cm ²	1.90 ft-lb/in ²	ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	257 °C	495 °F	10 K/min
	257 °C	495 °F	ASTM Test

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

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