

## BASF Ultramid® 7423-2 NF3001 13% Glass Filled PA66 (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 10% Glass Fiber Filled

### Material Notes:

Ultramid 7423-2 NF3001 is an impact modified, 13% glass reinforced, heat stabilized injection molding PA6/6.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BASF-Ultramid-7423-2-NF3001-13-Glass-Filled-PA66-Dry.php](http://www.lookpolymers.com/polymer_BASF-Ultramid-7423-2-NF3001-13-Glass-Filled-PA66-Dry.php)

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM Data; MD

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	90.0 MPa	13100 psi	0.2 in/min; ASTM Test
Tensile Strength, Ultimate	110 MPa	16000 psi	5mm/min; ISO 527
Elongation at Break	6.0 %	6.0 %	5mm/min; ISO 527
	10 %	10 %	0.2 in/min; ASTM Test
Tensile Modulus	5.10 GPa	740 ksi	1mm/min; ISO 527
Flexural Strength	152 MPa	22000 psi	ASTM Test
Flexural Modulus	3.66 GPa	531 ksi	ASTM Test
	4.70 GPa	682 ksi	ISO Data
Izod Impact, Notched	1.23 J/cm @Thickness 3.17 mm	2.30 ft-lb/in @Thickness 0.125 in	ASTM Test
Izod Impact, Notched (ISO)	11.0 kJ/m <sup>2</sup>	5.23 ft-lb/in <sup>2</sup>	ISO Test
Charpy Impact Unnotched	6.50 J/cm <sup>2</sup>	30.9 ft-lb/in <sup>2</sup>	ISO 179
	5.50 J/cm <sup>2</sup> @Temperature -30.0 °C	26.2 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 179
Charpy Impact, Notched	1.00 J/cm <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	ISO 179
	0.500 J/cm <sup>2</sup> @Temperature -30.0 °C	2.38 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 179

Thermal Properties	Metric	English	Comments
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Melting Point Thermal Properties	257 °C Metric	495 °F English	10 K/min Comments
	257 °C	495 °F	ASTM Test
Deflection Temperature at 0.46 MPa (66 psi)	243 °C	469 °F	ASTM Test
	256 °C	493 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	227 °C	441 °F	ASTM Test
	240 °C	464 °F	ISO 75

Descriptive Properties	Value	Comments
Color	Natural	
Commercial Status	Active America	
Impact Modified	Yes	
Primary Processing Technique	Injection Molding	

## Contact Songhan Plastic Technology Co.,Ltd.

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