

**BASF Ultramid® 1C PA6/66 (Dry)**

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66 , Nylon 66/6 , Unreinforced

**Material Notes:**

Description: Ultramid® 1C forms flexible, scratch-resistant coatings or tough, resilient, abrasion-resistant coverings on plastics, films, nonwovens, fabrics, leather, paper, wood, or metal. Information provided by BASF

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BASF-Ultramid-1C-PA666-Dry.php](http://www.lookpolymers.com/polymer_BASF-Ultramid-1C-PA666-Dry.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.500 - 0.800 g/cc	0.0181 - 0.0289 lb/in <sup>3</sup>	
Density	1.10 g/cc	0.0397 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	115 MPa	16700 psi	ISO 2039/1
Tensile Modulus	2.40 GPa	348 ksi	ISO 527
Flexural Strength	100 MPa	14500 psi	ISO 178
Flexural Modulus	2.30 GPa	334 ksi	ISO 178
Charpy Impact Unnotched	15.0 J/cm <sup>2</sup>	71.4 ft-lb/in <sup>2</sup>	ISO 179/1eU

Thermal Properties	Metric	English	Comments
Melting Point	185 °C	365 °F	
Glass Transition Temp, Tg	73.0 °C	163 °F	
Decomposition Temperature	>= 300 °C	>= 572 °F	

Descriptive Properties	Value	Comments
Commercial Status	Europe	
Ignition Temperature	>400°C	ASTM D1929

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