

BASF Ultramid® 1C PA6/66 (Conditioned)

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-Conditioned.php

Physical Properties	Metric	English	Comments
Bulk Density	0.500 - 0.800 g/cc	0.0181 - 0.0289 lb/in³	
Density	1.10 g/cc	0.0397 lb/in³	

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	115 MPa	16700 psi	ISO 2039/1
Tensile Strength, Yield	80.0 MPa	11600 psi	ISO 527
Elongation at Yield	5.0 %	5.0 %	ISO 527
Tensile Modulus	1.40 GPa	203 ksi	ISO 527
Flexural Strength	47.0 MPa	6820 psi	ISO 178
Flexural Modulus	1.40 GPa	203 ksi	ISO 178
Charpy Impact Unnotched	NB	NB	ISO 179/1eU

Thermal Properties	Metric	English	Comments
Melting Point	185 °C	365 °F	
Decomposition Temperature	>= 300 °C	>= 572 °F	

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

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