

BASF Ultramid® A3EG6 BK 00564 PA66 (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Information provided by BASF

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultramid-A3EG6-BK-00564-PA66-Dry.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	1.7 %	1.7 %	50% RH; ISO 62
	5.5 %	5.5 %	Saturation; ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	170 MPa	24700 psi	ISO 527
Elongation at Break	2.5 %	2.5 %	ISO 527
Tensile Modulus	9.55 GPa	1390 ksi	ISO 527
Flexural Modulus	8.55 GPa	1240 ksi	ISO 178
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	ISO 3146
Deflection Temperature at 0.46 MPa (66 psi)	260 °C	500 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	250 °C	482 °F	ISO 75

Descriptive Properties	Value	Comments
Color	BK 00564	
Commercial Status	North America	

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