

BASF Ultramid® B50L 01 PA6 (Conditioned)

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

Material Notes:

Ultramid B50L 01 is a high-viscosity, lubricated, general-purpose extrusion PA6 grade. It conforms to FDA requirements including, 21 CFR 177.1500,EU Directive 2002/72/EC, the German BfR recommendation "X Polyamide", 1.6.1998 or legislations for other countries will be provided on request.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultramid-B50L-01-PA6-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	dry; ISO 1183
Water Absorption	9.5 %	9.5 %	beginning dry; ISO 62
Moisture Absorption at Equilibrium	2.6 %	2.6 %	beginning dry (23°C/50% R.H.); ISO 62
Relative Viscosity	5.0 cP	5.0 cP	ISO Test; 96 % SAV
Viscosity Test	320 cm ³ /g	320 cm ³ /g	Viscosity number
Linear Mold Shrinkage	0.0090 cm/cm	0.0090 in/in	ASTM Data; MD
Melt Flow	8.0 g/10 min @Load 5.00 kg, Temperature 275 °C	8.0 g/10 min @Load 11.0 lb, Temperature 527 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	45.0 MPa	6530 psi	50mm/min; ISO 527
Elongation at Break	>= 50 %	>= 50 %	50mm/min, Nominal strain; ISO 527
Elongation at Yield	20 %	20 %	50mm/min; ISO 527
Tensile Modulus	1.00 GPa	145 ksi	1mm/min; ISO 527
Tensile Creep Modulus, 1 hour	950 MPa	138000 psi	ISO 899
Tensile Creep Modulus, 1000 hours	850 MPa	123000 psi	ISO 899

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	10 K/min
	220 °C	428 °F	ASTM Test

Descriptive Properties	Value	Comments
Color	Natural	
Commercial Status	North America and Europe	
FDA	21 CFR 177.1500	
Form	Pellets	
Impact Modified	No	
Primary Processing Technique	Film Extrusion	
Processing	Film Extrusion	
	Profile Extrusion	

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