

BASF Ultramid® 1310-11 NF2001 PA66 (Dry)

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

Material Notes:

Ultramid 1310-11 NF2001 is a controlled crystallization, fast cycling PA6/6 which provides extremely fast cycle times and improved productivity over Ultramid 1000.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultramid-1310-11-NF2001-PA66-Dry.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ISO 1183
Water Absorption	8.5 %	8.5 %	ISO 62
Moisture Absorption at Equilibrium	2.5 %	2.5 %	23°C/50% R.H.; ISO 62
Linear Mold Shrinkage	0.016 cm/cm	0.016 in/in	ASTM Data; MD

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	90.0 MPa	13100 psi	50mm/min; ISO 527
	94.0 MPa	13600 psi	2 in/min; ASTM Test
Elongation at Break	20 %	20 %	50mm/min, Nominal strain; ISO 527
	35 %	35 %	2 in/min; ASTM Test
Elongation at Yield	5.0 %	5.0 %	50mm/min; ISO 527
Tensile Modulus	3.40 GPa	493 ksi	1mm/min; ISO 527
Flexural Strength	123 MPa	17800 psi	ASTM Test
Flexural Modulus	3.20 GPa	464 ksi	ISO Data
	3.24 GPa	470 ksi	ASTM Test
Izod Impact, Notched	0.480 J/cm @Thickness 3.17 mm	0.899 ft-lb/in @Thickness 0.125 in	ASTM Test
Izod Impact, Notched (ISO)	4.70 kJ/m ²	2.24 ft-lb/in ²	ISO Test
Charpy Impact Unnotched	NB	NB	ISO 179
	NB @Temperature -30.0 °C	NB @Temperature -22.0 °F	ISO 179
Charpy Impact, Notched	0.490 J/cm ²	2.33 ft-lb/in ²	ISO 179

Mechanical Properties	Metric ^{kgf/cm²}	English ^{lb/in²}	Comments
	@Temperature -30.0 °C	@Temperature -22.0 °F	ISO 178

Thermal Properties	Metric	English	Comments
Melting Point	257 °C	495 °F	10 K/min
	257 °C	495 °F	ASTM Test
Deflection Temperature at 0.46 MPa (66 psi)	205 °C	401 °F	ISO 75
	243 °C	469 °F	ASTM Test
Deflection Temperature at 1.8 MPa (264 psi)	86.0 °C	187 °F	ISO 75
	88.0 °C	190 °F	ASTM Test

Descriptive Properties	Value	Comments
Color	Natural	
Commercial Status	Active America	
Impact Modified	No	
Primary Processing Technique	Injection Molding	

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