

Ovation Polymers UTTAP QU BM513 GF BM Nylon, 13% Glass Reinforced

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Glass reinforced (13 %) High Temperature Polyamide - Blow Molding grade with excellent chemical resistance, improved flow and high HDT.

*All properties are measured after 48 hours of conditioning at 23°C and 50% relative humidity. All samples are prepared according to ASTM standards. Variations within normal tolerances are possible for various types of colors and functional properties like UV resistance. Information provided by Ovation Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ovation-Polymers-UTTAP-QU-BM513-GF-BM-Nylon-13-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792
Linear Mold Shrinkage	0.00 - 0.0050 cm/cm @Thickness 3.17 mm	0.00 - 0.0050 in/in @Thickness 0.125 in	
Linear Mold Shrinkage, Transverse	0.0090 - 0.011 cm/cm @Thickness 3.17 mm	0.0090 - 0.011 in/in @Thickness 0.125 in	
Melt Index of Compound	2.0 g/10 min @Load 2.16 kg, Temperature 280 °C	2.0 g/10 min @Load 4.76 lb, Temperature 536 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	100 MPa	14500 psi	50 mm/min; ASTM D638
Elongation at Break	4.0 %	4.0 %	50 mm/min; ASTM D638
Tensile Modulus	3.50 GPa	508 ksi	50 mm/min; ASTM D638
Flexural Yield Strength	135 MPa	19600 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	4.30 GPa	624 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.374 J/cm	0.701 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	230 °C @Thickness 3.20 mm	446 °F @Thickness 0.126 in	unannealed; ASTM D648

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