

BASF Ultramid® C3UG4 20% Glass Filled PA6/66 (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66 , Nylon 66/6 , 20% Glass Fiber Reinforced

Material Notes:

Description: Halogen-free and phosphorus-free flame retardant injection-molding grade with outstanding free-flow properties, good electrical properties and low smoke density; resistant to glow wire test up to 960°C. Information provided by BASF

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultramid-C3UG4-20-Glass-Filled-PA666-Dry.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	2.0 - 2.4 %	2.0 - 2.4 %	23°C; 50% RH; ISO 62
Viscosity Measurement	130	130	ISO 307
Melt Flow	157.2 g/10 min @Load 5.00 kg, Temperature 275 °C	157.2 g/10 min @Load 11.0 lb, Temperature 527 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	95.0 MPa	13800 psi	50 mm/min; ISO 527-1/-2
Elongation at Yield	3.0 %	3.0 %	50 mm/min; ISO 527-1/-2
Modulus of Elasticity	6.00 GPa	870 ksi	ISO 527-1/-2
Charpy Impact Unnotched	3.50 J/cm ² @Temperature 23.0 °C	16.7 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU

Thermal Properties	Metric	English	Comments
Melting Point	240 °C	464 °F	DIN 53765
Deflection Temperature at 0.46 MPa (66 psi)	210 °C	410 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	195 °C	383 °F	ISO 75-1/-2
Flammability, UL94	V-2 @Thickness >=0.800 mm	V-2 @Thickness >=0.0315 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	550 V	550 V	Test solution A; IEC 60112

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 270 °C	482 - 518 °F	Injection-molding/Extrusion
Mold Temperature	60.0 - 80.0 °C	140 - 176 °F	Injection-molding

Descriptive Properties	Value	Comments
Commercial Status	Europe	

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