

Qualchem Danamid FGF-20 Polyamide 6, 20% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Reinforced with glass fiber. Information provided by Qualchem Zrt.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Qualchem-Danamid-FGF-20-Polyamide-6-20-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in ³	DIN 53479
Filler Content	18 - 22 %	18 - 22 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 110 MPa	>= 16000 psi	50 mm/min; ISO 527-1,2
Elongation at Break	4.0 %	4.0 %	ISO 527-1,2
Tensile Modulus	5.70 GPa	827 ksi	ISO 527-1,2
Flexural Strength	200 MPa	29000 psi	10mm/min; DIN 53452
Charpy Impact Unnotched	>= 2.00 J/cm ² @Temperature 23.0 °C	>= 9.52 ft-lb/in ² @Temperature 73.4 °F	DIN 53453
Charpy Impact, Notched	>= 0.500 J/cm ² @Temperature 23.0 °C	>= 2.38 ft-lb/in ² @Temperature 73.4 °F	DIN 53453

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	200 °C	392 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	190 °C	374 °F	DIN 53461
Flammability, UL94	HB @Thickness 4.00 mm	HB @Thickness 0.157 in	MSZ 10383

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	DIN 53482
Comparative Tracking Index	550 V	550 V	IEC 112

Processing Properties	Metric	English	Comments
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Moisture Content	2.0 - 2.2 %	2.0 - 2.2 %	DIN 53714
Processing Properties	Metric	English	Comments

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