

Qualchem Danamid FGFS-30 Polyamide 6, 30% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Reinforced with glass fiber. Impact modified. Information provided by Qualchem Zrt.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Qualchem-Danamid-FGFS-30-Polyamide-6-30-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in ³	DIN 53479
Filler Content	26 - 34 %	26 - 34 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 90.0 MPa	>= 13100 psi	50 mm/min; ISO 527-1,2
Charpy Impact Unnotched	>= 1.50 J/cm ² @Temperature 23.0 °C	>= 7.14 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)	130 °C	266 °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	500 V	500 V	IEC 112

Processing Properties	Metric	English	Comments
Moisture Content	1.8 - 2.2 %	1.8 - 2.2 %	DIN 53714

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