

Qualchem Danamid AFGF-50 Polyamide 66, 50% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Reinforced with glass fiberInformation provided by Qualchem Zrt.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Qualchem-Danamid-AFGF-50-Polyamide-66-50-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in ³	DIN 53479
Filler Content	48 - 52 %	48 - 52 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 180 MPa	>= 26100 psi	50 mm/min; ISO 527-1,2
Elongation at Break	3.0 %	3.0 %	ISO 527-1,2
Tensile Modulus	>= 9.50 GPa	>= 1380 ksi	ISO 527-1,2
Charpy Impact Unnotched	>= 3.00 J/cm ² @Temperature 23.0 °C	>= 14.3 ft-lb/in ² @Temperature 73.4 °F	DIN 53453
Charpy Impact, Notched	>= 0.800 J/cm ² @Temperature -20.0 °C	>= 3.81 ft-lb/in ² @Temperature -4.00 °F	DIN 53453
	>= 1.00 J/cm ² @Temperature 23.0 °C	>= 4.76 ft-lb/in ² @Temperature 73.4 °F	DIN 53453

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	250 °C	482 °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

Processing Properties	Metric	English	Comments
Moisture Content	1.2 - 1.6 %	1.2 - 1.6 %	DIN 53714

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