

## Qualchem Danamid AFGF-20 Polyamide 66, 20% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 66

### 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-AFGF-20-Polyamide-66-20-Glass-Fiber.php](http://www.lookpolymers.com/polymer_Qualchem-Danamid-AFGF-20-Polyamide-66-20-Glass-Fiber.php)

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in <sup>3</sup>	DIN 53479
Filler Content	18 - 22 %	18 - 22 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 140 MPa	<= 20300 psi	50 mm/min; ISO 527-1,2
Elongation at Break	4.0 %	4.0 %	ISO 527-1,2
Charpy Impact Unnotched	<= 3.00 J/cm <sup>2</sup> @Temperature 23.0 °C	<= 14.3 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	DIN 53453
Charpy Impact, Notched	<= 1.00 J/cm <sup>2</sup> @Temperature -20.0 °C	<= 4.76 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	DIN 53453
	<= 1.00 J/cm <sup>2</sup> @Temperature 23.0 °C	<= 4.76 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	DIN 53453

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	250 °C	482 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	220 °C	428 °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	375 V	375 V	IEC 112

Processing Properties	Metric	English	Comments
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Moisture Content Processing Properties	1.5-1.8 % Metric	1.5-1.8 % English	DIN 53714 Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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