

Qualchem Danamid AFGFS2HUV30 Polyamide 66, 30% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Reinforced with glass fiber. Impact modified, heat and UV stabilized, for long-lasting use at 120-140°C, resistant to artificial lights. Information provided by Qualchem Zrt.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Qualchem-Danamid-AFGFS2HUV30-Polyamide-66-30-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in ³	DIN 53479
Filler Content	28 - 32 %	28 - 32 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 75.0 MPa	>= 10900 psi	50 mm/min; ISO 527-1,2
Elongation at Break	>= 4.0 %	>= 4.0 %	ISO 527-1,2
Tensile Modulus	>= 7.80 GPa	>= 1130 ksi	ISO 527-1,2
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)	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	550 V	550 V	IEC 112

Processing Properties	Metric	English	Comments
Moisture Content			DIN 53714

Processing Properties	2.0 - 2.2 % Metric	2.0 - 2.2 % English	Comments
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