

Qualchem Danamid FGFLX2-30 Polyamide 6, 30% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Reinforced with glass fiber. Flame retardant, halogen-free (V-2) Information provided by Qualchem Zrt.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Qualchem-Danamid-FGFLX2-30-Polyamide-6-30-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.347 g/cc	0.04866 lb/in ³	DIN 53479
Filler Content	28 - 32 %	28 - 32 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	90.0 MPa	13100 psi	50 mm/min; ISO 527-1,2
Elongation at Break	4.0 %	4.0 %	ISO 527-1,2
Tensile Modulus	7.70 GPa	1120 ksi	ISO 527-1,2
Charpy Impact Unnotched	2.70 J/cm ²	12.8 ft-lb/in ²	DIN 53453
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	3.40 J/cm ²	16.2 ft-lb/in ²	DIN 53453
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.500 J/cm ²	2.38 ft-lb/in ²	DIN 53453
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	0.700 J/cm ²	3.33 ft-lb/in ²	DIN 53453
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-2	V-2	MSZ 10383
	@Thickness 4.00 mm	@Thickness 0.157 in	
Glow Wire Test	960 °C	1760 °F	IEC 685-2-1
	@Thickness 3.50 mm	@Thickness 0.138 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	DIN 53482
Comparative Tracking Index	525 V	525 V	IEC 112

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

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