

Qualchem Danamid FGFTALX2-5 20 Polyamide 6, 25% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Reinforced with glass fiber and minerals. 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-FGFTALX2-5-20-Polyamide-6-25-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.393 g/cc	0.05033 lb/in ³	DIN 53479
Filler Content	23 - 27 %	23 - 27 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	50.0 MPa	7250 psi	50 mm/min; ISO 527-1,2
Elongation at Break	4.0 %	4.0 %	ISO 527-1,2
Tensile Modulus	2.90 GPa	421 ksi	ISO 527-1,2
Izod Impact, Notched (ISO)	3.50 kJ/m ² @Temperature 23.0 °C	1.67 ft-lb/in ² @Temperature 73.4 °F	ISO 180
Izod Impact, Unnotched (ISO)	17.0 kJ/m ²	8.09 ft-lb/in ²	ISO 180
Charpy Impact Unnotched	2.60 J/cm ² @Temperature 23.0 °C	12.4 ft-lb/in ² @Temperature 73.4 °F	DIN 53453
	2.60 J/cm ² @Temperature -30.0 °C	12.4 ft-lb/in ² @Temperature -22.0 °F	DIN 53453
Charpy Impact, Notched	0.250 J/cm ² @Temperature -20.0 °C	1.19 ft-lb/in ² @Temperature -4.00 °F	DIN 53453
	0.280 J/cm ² @Temperature 23.0 °C	1.33 ft-lb/in ² @Temperature 73.4 °F	DIN 53453

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-2 @Thickness 4.00 mm	V-2 @Thickness 0.157 in	MSZ 10383
Glow Wire Test	850 °C @Thickness 1.50 mm	1560 °F @Thickness 0.0591 in	IEC 685-2-1

Thermal Properties	960 °C Metric	1760 °F English	Comments
	@Thickness 3.50 mm	@Thickness 0.138 in	

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
Moisture Content	2.0 - 2.2 %	2.0 - 2.2 %	DIN 53714

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