

Qualchem Danamid FEH Polyamide 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Heat stabilized type polyamide, for long-lasting use at 120-130°C Information provided by Qualchem Zrt.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Qualchem-Danamid-FEH-Polyamide-6.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	DIN 53479

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	75.0 MPa	10900 psi	50 mm/min; ISO 527-1,2
Elongation at Yield	4.0 %	4.0 %	ISO 527-1,2
Tensile Modulus	2.50 GPa	363 ksi	ISO 527-1,2
Charpy Impact Unnotched	NB	NB	DIN 53453
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	NB	NB	DIN 53453
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.200 J/cm ²	0.952 ft-lb/in ²	DIN 53453
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	0.300 J/cm ²	1.43 ft-lb/in ²	DIN 53453
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	170 °C	338 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	DIN 53461
Flammability, UL94	HB	HB	MSZ 10383
	@Thickness 4.00 mm	@Thickness 0.157 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	DIN 53482
Comparative Tracking Index	600 V	600 V	IEC 112

Processing Properties	Metric	English	Comments
Moisture Content	2.5 - 2.7 %	2.5 - 2.7 %	DIN 53714

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