

Qualchem Danamid FES-23 Polyamide 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Impact resistant, cold Information provided by Qualchem Zrt.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Qualchem-Danamid-FES-23-Polyamide-6.php

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in ³	DIN 53479

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 MPa	7250 psi	50 mm/min; ISO 527-1,2
Elongation at Yield	4.0 %	4.0 %	ISO 527-1,2
Tensile Modulus	2.40 GPa	348 ksi	ISO 527-1,2
Flexural Strength	75.0 MPa	10900 psi	10mm/min; DIN 53452
Flexural Modulus	1.80 GPa	261 ksi	DIN 53452
Charpy Impact Unnotched	NB	NB	DIN 53453
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact Unnotched	NB	NB	DIN 53453
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	>= 5.00 J/cm ²	>= 23.8 ft-lb/in ²	DIN 53453
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Flammability, UL94	HB	HB	MSZ 10383
	@Thickness 4.00 mm	@Thickness 0.157 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

Processing Properties	Metric	English	Comments
Moisture Content	3.0 - 3.2 %	3.0 - 3.2 %	DIN 53714

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