

Qualchem Danamid AFEHUV Polyamide 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Heat and UV stabilized, for long-lasting use at 120-130°C, protected against artificial light. Information provided by Qualchem Zrt.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Qualchem-Danamid-AFEHUV-Polyamide-66.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	>= 80.0 MPa	>= 11600 psi	50 mm/min; 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	
Charpy Impact, Notched	NB	NB	DIN 53453
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.300 J/cm ²	1.43 ft-lb/in ²	DIN 53453
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact, Notched	0.400 J/cm ²	1.90 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)	210 °C	410 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C	149 °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

Processing Properties	Metric	English	Comments
Moisture Content	1.2 - 1.5 %	1.2 - 1.5 %	DIN 53714

Processing Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Heat Stability (24h 90°C)		No visible change	

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