

Qualchem Danamid AFES-21 Polyamide 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Impact resistant, dryInformation provided by Qualchem Zrt.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Qualchem-Danamid-AFES-21-Polyamide-66.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 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	>= 3.59 GPa	>= 521 ksi	ISO 527-1,2
Flexural Strength	82.0 MPa	11900 psi	10 mm/min; DIN 53452
Flexural Modulus	2.07 GPa	300 ksi	DIN 53452
Izod Impact, Notched (ISO)	17.0 kJ/m ²	8.09 ft-lb/in ²	ISO 180
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	55.0 kJ/m ²	26.2 ft-lb/in ²	ISO 180
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Unnotched (ISO)	NB	NB	ISO 180
	NB	NB	
	@Temperature -23.0 °C	@Temperature -9.40 °F	ISO 180
	@Temperature -20.0 °C	@Temperature -4.00 °F	
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	4.00 J/cm ²	19.0 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)	187 °C	369 °F	DIN 53461

Thermal Properties	Metric	English	Comments
Tensile strength at 1.8 MPa (264 psi)	30.0 °C	77.0 °F	DIN 53401
Flammability, UL94	HB @Thickness 4.00 mm	HB @Thickness 0.157 in	MSZ 10383

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	DIN 53482
Comparative Tracking Index	400 V	400 V	IEC 112

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

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China