

## Qualchem Danamid FEO Polyamide 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6

**Material Notes:**

Flame retardant, with halogens (V-0) Information provided by Qualchem Zrt.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Qualchem-Danamid-FEO-Polyamide-6.php](http://www.lookpolymers.com/polymer_Qualchem-Danamid-FEO-Polyamide-6.php)

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in <sup>3</sup>	DIN 53479

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	55.0 MPa	7980 psi	50 mm/min; ISO 527-1,2
Elongation at Yield	4.0 %	4.0 %	ISO 527-1,2
Tensile Modulus	1.80 GPa	261 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	0.400 J/cm <sup>2</sup>	1.90 ft-lb/in <sup>2</sup>	DIN 53453
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	0.700 J/cm <sup>2</sup>	3.33 ft-lb/in <sup>2</sup>	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	V-0	V-0	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	500 V	500 V	IEC 112

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

## Contact Songhan Plastic Technology Co.,Ltd.

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