

## Qualchem Danamid FEWLX2-25 Polyamide 6, 25% Mineral Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 6

### Material Notes:

Filled with minerals. Flame retardant, halogen-free (V-2) Information provided by Qualchem Zrt.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Qualchem-Danamid-FEWLX2-25-Polyamide-6-25-Mineral-Filled.php](http://www.lookpolymers.com/polymer_Qualchem-Danamid-FEWLX2-25-Polyamide-6-25-Mineral-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in <sup>3</sup>	DIN 53479
Filler Content	23 - 27 %	23 - 27 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	48.0 MPa	6960 psi	50 mm/min; ISO 527-1,2
Elongation at Break	4.0 %	4.0 %	ISO 527-1,2
Tensile Modulus	2.70 GPa	392 ksi	ISO 527-1,2
Izod Impact, Notched (ISO)	3.40 kJ/m <sup>2</sup> @Temperature 23.0 °C	1.62 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 180
Izod Impact, Unnotched (ISO)	15.0 kJ/m <sup>2</sup>	7.14 ft-lb/in <sup>2</sup>	ISO 180
Charpy Impact Unnotched	1.90 J/cm <sup>2</sup> @Temperature 23.0 °C	9.04 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	DIN 53453
	1.90 J/cm <sup>2</sup> @Temperature -30.0 °C	9.04 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	DIN 53453
Charpy Impact, Notched	0.330 J/cm <sup>2</sup> @Temperature 23.0 °C	1.57 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	DIN 53453
	0.330 J/cm <sup>2</sup> @Temperature -30.0 °C	1.57 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	DIN 53453

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-2 @Thickness 4.00 mm	V-2 @Thickness 0.157 in	MSZ 10383
Glow Wire Test	960 °C @Thickness 3.50 mm	1760 °F @Thickness 0.138 in	IEC 685-2-1

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	DIN 53482
Comparative Tracking Index	450 V	450 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.

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