

Chem Polymer Chemlon 100 W Nylon 66, MoS2 Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, MoS2 Filled

Material Notes:

A molybdenum disulfide modified nylon 66 exhibiting superior tensile strength and wear resistance, greater dimensional stability and higher heat resistance than general purpose nylon 66. Data provided by the manufacturer, Chem Polymer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chem-Polymer-Chemlon-100-W-Nylon-66-MoS2-Filled.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	94.0 MPa	13600 psi	ASTM D638
Elongation at Break	10 %	10 %	ASTM D638
Flexural Yield Strength	121 MPa	17500 psi	ASTM D790
Flexural Modulus	3.20 GPa	464 ksi	ASTM D790
Izod Impact, Notched	0.640 J/cm	1.20 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	252 °C	486 °F	ASTM D789
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	271 °C	520 °F	

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