

Chem Polymer Chemlon 102 Nylon 66, Nucleated

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Nucleated

Material Notes:

A highly nucleated, lubricated nylon 66 intended for fast cycling applications. Increased tensile strength, rigidity, creep resistance and hardness over general purpose 66. Data provided by the manufacturer, Chem Polymer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chem-Polymer-Chemlon-102-Nylon-66-Nucleated.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	90.0 MPa	13100 psi	ASTM D638
Elongation at Break	10 %	10 %	ASTM D638
Flexural Yield Strength	123 MPa	17800 psi	ASTM D790
Flexural Modulus	3.20 GPa	464 ksi	ASTM D790
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	254 °C	489 °F	ASTM D789
Deflection Temperature at 1.8 MPa (264 psi)	77.0 °C	171 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	268 °C	514 °F	

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