

Chem Polymer Chemlon 109 Nylon 66, High Impact

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Impact Grade

Material Notes:

A highly impact-modified, lubricated nylon 66 exhibiting excellent toughness, especially at lower temperatures. Data provided by the manufacturer, Chem Polymer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chem-Polymer-Chemlon-109-Nylon-66-High-Impact.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	49.0 MPa	7110 psi	ASTM D638
Elongation at Break	55 %	55 %	ASTM D638
Flexural Yield Strength	63.0 MPa	9140 psi	ASTM D790
Flexural Modulus	1.70 GPa	247 ksi	ASTM D790
Izod Impact, Notched	8.48 J/cm	15.9 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)	50.0 °C	122 °F	ASTM D648
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Melt Temperature	266 °C	511 °F	

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