

Chem Polymer Chemlon 223 Nylon 6, Nucleated

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Nucleated

Material Notes:

A highly nucleated, lubricated nylon 6 intended for applications requiring a faster cycle time. It has increased tensile strength, rigidity, creep resistance and hardness over general purpose nylon 6. Data provided by the manufacturer, Chem Polymer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chem-Polymer-Chemlon-223-Nylon-6-Nucleated.php

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	86.0 MPa	12500 psi	ASTM D638
Elongation at Break	20 %	20 %	ASTM D638
Flexural Yield Strength	114 MPa	16500 psi	ASTM D790
Flexural Modulus	2.90 GPa	421 ksi	ASTM D790
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	215 °C	419 °F	ASTM D789
Deflection Temperature at 1.8 MPa (264 psi)	69.0 °C	156 °F	ASTM D648
Flammability, UL94	V-2	V-2	

Processing Properties	Metric	English	Comments
Melt Temperature	249 °C	480 °F	

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