

Chem Polymer Chemlon 225 G Nylon 6, 25% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 30% Glass Fiber Filled

Material Notes:

A 25% glass fiber reinforced nylon 6 offering a balance of properties between the 20% (Chemlon 220 G) and 30% (Chemlon 233 G) product offerings. This product offers further improvements in tensile strength, temperature resistance, dimensional stability and impact strength over Chemlon 220 G. Data provided by the manufacturer, Chem Polymer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chem-Polymer-Chemlon-225-G-Nylon-6-25-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	148 MPa	21500 psi	ASTM D638
Elongation at Break	2.5 %	2.5 %	ASTM D638
Flexural Yield Strength	217 MPa	31500 psi	ASTM D790
Flexural Modulus	6.40 GPa	928 ksi	ASTM D790
Izod Impact, Notched	1.06 J/cm	1.99 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)	210 °C	410 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	254 °C	489 °F	

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