

Chem Polymer Chemlon 218 GV Nylon 6, 18% Glass Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Glass Fiber Filled, Flame Retardant

Material Notes:

A flame retardant, glass reinforced grade of nylon 6. The material is UL94 V0 rated, completely non-halogenated and phosphorus free. It gives excellent surface appearance and is available in a range of colors. Data provided by the manufacturer, Chem Polymer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chem-Polymer-Chemlon-218-GV-Nylon-6-18-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	88.0 MPa	12800 psi	ASTM D638
Elongation at Break	7.0 %	7.0 %	ASTM D638
Flexural Yield Strength	124 MPa	18000 psi	ASTM D790
Flexural Modulus	3.80 GPa	551 ksi	ASTM D790
Izod Impact, Notched	1.20 J/cm	2.25 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0	V-0	1/16 in.

Processing Properties	Metric	English	Comments
Melt Temperature	246 °C	475 °F	

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