

Nylene® Naxel™ PC45G FR 10% Glass Reinforced, Flame Retardant Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Glass Fiber Filled, Flame Retardant

Material Notes:

Description: Naxel™ PC45G FR is a 10% glass fiber reinforced, flame retardant polycarbonate. PC45G FR is UL approved. Information provided by Custom Resins. ALM, Nylene Canada, and Custom Resins are all operating companies of Polymeric Resources Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Nylene-Naxel-PC45G-FR-10-Glass-Reinforced-Flame-Retardant-Polycarbonate.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.26 g/cc	1.26 g/cc	ASTM D792
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	
Melt Flow	9.0 g/10 min	9.0 g/10 min	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	62.1 MPa	9000 psi	ASTM D638
Elongation at Break	10 %	10 %	ASTM D638
Flexural Modulus	3.17 GPa	460 ksi	ASTM D790
Izod Impact, Notched	0.641 J/cm	1.20 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	135 °C	275 °F	ASTM D648

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