

MRC Polymers NAXELL, PC110-20G General Purpose Polycarbonate, Medium Viscosity, 20% Glass Fiber

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 20% Glass Filled

Material Notes:

Available in natural and custom colors Can be UV Stabilized Internal and external lubricants can be added Information provided by MRC Polymers Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_MRC-Polymers-NAXELL-PC110-20G-General-Purpose-Polycarbonate-Medium-Viscosity-20-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.35 g/cc	1.35 g/cc	ASTM D 792
Linear Mold Shrinkage	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	ASTM D 955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	103 MPa	14900 psi	ASTM D 638
Elongation at Break	5.0 %	5.0 %	ASTM D 638
Flexural Strength	131 MPa	19000 psi	ASTM D 790
Flexural Modulus	5.168 GPa	749.6 ksi	ASTM D 790
Izod Impact, Notched	1.068 J/cm @Temperature 23.0 °C	2.001 ft-lb/in @Temperature 73.4 °F	ASTM D 256

Thermal Properties	Metric	English	Comments
CTE, linear	27.0 µm/m-°C	15.0 µin/in-°F	ASTM D 696
Deflection Temperature at 0.46 MPa (66 psi)	146 °C	295 °F	ASTM D 648
Deflection Temperature at 1.8 MPa (264 psi)	141 °C	286 °F	ASTM D 648

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