

NAXELL™ PC110-20G

General Purpose Medium Viscosity Polycarbonate 20% Glass Fibber Reinforced

PC110-20G is available in natural and custom colors, internal and external lubricants, UV stabilized and other modifications Further information and details are available upon request.

Typical ASTM Properties

Properties	Test Method	English Units		S.I. Units	
PHYSICAL					
Specific Gravity, solid	D 792	NA	1.35	NA	1.35
Mold Shrinkage, flow. 0.125" (3.2mm)	D 955	in/in	0.001-0.003	%	0.1-0.3
MECHANICAL					
Tensile Strength @ Yield. 73°F (23°C), 0.125" (3.2mm)	D 638	psi	15,000	MPa	103
Tensile Elongation @ Break 73°F (23°C), 0.125" (3.2mm)	D 638	%	5	%	5
Flexural Strength. 73°F (23°C), 0.125" (3.2mm)	D 790	psi	19,000	MPa	131
Flexural Modulus. 73°F (23°C), 0.125" (3.2mm)	D 790	psi	750,000	MPa	5,168
Izod Impact, notched. 73°F (23°C), 0.125" (3.2mm)	D256	ft-lb/in	2.0	J/m	106.8
THERMAL					
Deflection Temperature, unannealed. 0.125" (3.2mm)	D 648				
264 psi (1.82 MPa), Load		°F	285	°C	141
66 psi (0.45 MPa), Load		°F	295	°C	146
CLTE. -40 °C - +35 °C (-40 °F - +95 °F)	D 696	in/in/°F	1.5 E-5	m/m/°C	2.7 E-5

The values shown on the data sheet are typical values that have been obtained on typical MRC materials and are not intended for specification purposes. Information on this data sheet is provided without any warranty or guarantee. Each user of the material should make his own test to determine the suitability of the material for his use. Therefore, it is understood and agreed that the customer assumes and hereby releases MRC Polymers, Inc. from all liabilities, incurred in connection with the use of MRC's products, technical assistance, and information.