

NAXELL™ PC23M-10G

General Purpose Low Viscosity Polycarbonate 10% Glass Fiber Reinforced

PC23M-10G is available in opaque colors, internal and external lubricants, UV stabilizer 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	1.25	NA	1.25
Mold Shrinkage, flow. 0.125" (3.2mm)	D 955	in/in	0.002-0.004	%	0.2-0.4
Melt Flow Rate @ 300C / 1.2kg, nominal	D 1238	g/10min	36	g/10min	36
MECHANICAL					
Tensile Strength @ Yield. 73°F (23°C), 0.125" (3.2mm)	D 638	psi	10,000	MPa	69
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	15,000	MPa	103
Flexural Modulus. 73°F (23°C), 0.125" (3.2mm)	D 790	psi	450,000	MPa	3,101
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	275	°C	135
66 psi (0.45 MPa), Load		°F	285	°C	141
CLTE. -40 °C - +35 °C (-40 °F - +95 °F)	D 696	in/in/°F	2.0 E-5	m/m/°C	3.6 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.