

NAXELL™ PC23M-10G

Polycarbonate

MRC Polymers, Inc.

Message:

PC23M-10G is available in opaque colors, internal and external lubricants, UV stabilizer and other modifications. Further information and details are available upon request.

General Information	
Filler / Reinforcement	Glass Fiber,10% Filler by Weight
Features	General Purpose
	Low Viscosity
Uses	General Purpose
Appearance	Colors Available
	Opaque

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	36	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.20 to 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C, 3.20 mm)	69.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C, 3.20 mm)	5.0	%	ASTM D638
Flexural Modulus (23°C, 3.20 mm)	3100	MPa	ASTM D790
Flexural Strength (23°C, 3.20 mm)	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.20 mm	141	°C	
1.8 MPa, Unannealed, 3.20 mm	135	°C	
CLTE - Flow (-40 to 35°C)	3.6E-5	cm/cm/°C	ASTM D696

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Recommended distributors for this material

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