

# Naxel PC502

Polycarbonate

Custom Resins Group

Message:

10% glass fiber reinforced Polycarbonate

Has improved stiffness over un-reinforced PC grades

Suitable for applications such as housings, brackets, levers, and other uses that require toughness with increased stiffness

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	Good Stiffness		
	Good Toughness		
Uses	Housings		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.40	%	ASTM D955
Viscosity	8 melt flow		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	60.7	MPa	ASTM D638
Tensile Elongation (Yield)	15	%	ASTM D638
Flexural Modulus	3030	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	129	°C	ASTM D648

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## Recommended distributors for this material

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