

Naxel PC504

Polycarbonate

Custom Resins Group

Message:

20% glass fiber reinforced Polycarbonate

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,20% Filler by Weight		
Features	Good Stiffness		
	Good Toughness		
Uses	Housings		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	89.6	MPa	ASTM D638
Tensile Elongation (Yield)	5.0	%	ASTM D638
Flexural Modulus	4960	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	138	°C	ASTM D648

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