

Naxel PC506

Polycarbonate

Custom Resins Group

Message:

30% glass fiber reinforced Polycarbonate

Has greatly improved stiffness over unreinforced PC grades

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

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Stiffness		
	Good Toughness		
Uses	Housings		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	117	MPa	ASTM D638
Tensile Elongation (Yield)	3.0	%	ASTM D638
Flexural Modulus	7240	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	96	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	141	°C	ASTM D648

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