

Naxel PC45G FR

Polycarbonate

Custom Resins Group

Message:

10% glass fiber reinforced, flame retardant polycarbonate

Improved stiffness over unreinforced PC grades, while also having a flame retardant additive

Suitable for uses such as small appliances, hand tools, consumer goods, and other uses which require flame resistance and good dimensional stability

General Information	
Filler / Reinforcement	Glass Fiber,10% Filler by Weight
Additive	Flame Retardant
Features	Flame Retardant
	Good Dimensional Stability
	Good Stiffness
Uses	Appliances
	Consumer Applications

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40	%	ASTM D955
Viscosity	9 melt flow		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	62.1	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	3170	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	64	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	135	°C	ASTM D648

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