

Spartech Polycom PP5440

Polypropylene

Spartech Polycom

Message:

Spartech Polycom PP5440 is a polypropylene product, which contains a 40% glass fiber reinforced material. It can be processed by injection molding and is available in North America.

Features include:

high strength

anti-warping

Good dimensional stability

Good stiffness

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Features	Good dimensional stability		
	Low warpage		
	Rigid, good		
	High strength		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	89.6	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	1.0	%	ASTM D638
Fracture	2.0	%	ASTM D638
Flexural Modulus - Secant	5520	MPa	ASTM D790
Flexural Strength	131	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	85	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	157	°C	ASTM D648
1.8 MPa, not annealed	149	°C	ASTM D648
Additional Information			

Flexural Modulus, ASTM D790, Tangent: 1100000 psi

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Recommended distributors for this material

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