

Spartech Polycom PP5415

Polypropylene
Spartech Polycom

Message:

15% Glass Reinforced Homopolymer Black Polypropylene compound with ultraviolet stabilization offers a superior level of stiffness and heat deflection performance as compared to mineral filled grades. A Spartech Polycom representative can provide further information on this and other Spartech Polycom products.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Features	Good dimensional stability		
	Low warpage		
	Rigid, good		
	High strength		
	Homopolymer		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.998	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	4.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	55.2	MPa	ASTM D638
--	62.1	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	3.0	%	ASTM D638
Fracture	4.0	%	ASTM D638
Flexural Modulus - Secant	3030	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	149	°C	ASTM D648
1.8 MPa, not annealed	127	°C	ASTM D648

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