

Spartech Polycom PP5930 B146

Polypropylene

Spartech Polycom

Message:

15% Glass/Mica Reinforced Homopolymer Polypropylene compound offers an exceptional level of stiffness and heat deflection balanced with excellent processability, and is suitable for injection molding processes. The combination of mica and glass fiber provides significantly improved warpage resistance compared to traditional glass fiber reinforced compounds. This product is available in black colors. A Spartech Polycom representative can provide further information on this and other Spartech Polycom products.

General Information			
Filler / Reinforcement	Glass \mica, 15% filler by weight		
Features	Good dimensional stability Low warpage Rigid, good High strength Workability, good		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	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)	0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	37.9	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	2.0	%	ASTM D638
Fracture	2.5	%	ASTM D638
Flexural Modulus - Secant	3790	MPa	ASTM D790
Flexural Strength	89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	39	J/m	ASTM D256
Dart Drop Impact (23°C)	1.36	J	ASTM D3029
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	135	°C	ASTM D648

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