

Spartech Polycom PP5125 A21

Polypropylene Homopolymer

Spartech Polycom

Message:

25% Talc Filled Homopolymer Polypropylene offers a high level of stiffness and heat deflection balanced with excellent processability, and is suitable for injection molding processes. This product is available in natural colors. A Spartech Polycom representative can provide further information on this and other Spartech Polycom products.

General Information			
Filler / Reinforcement	Talc filler, 25% filler by weight		
Features	Rigid, good		
	Homopolymer		
	Workability, good		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	1.3	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	32.4	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	4.0	%	ASTM D638
Fracture	20	%	ASTM D638
Flexural Modulus - Secant	2030	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	29	J/m	ASTM D256
Dart Drop Impact (23°C)	0.113	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	121	°C	ASTM D648
1.8 MPa, not annealed	62.8	°C	ASTM D648
Optical	Nominal Value		Test Method
Gardner Gloss (60°)	47		ASTM D523

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Recommended distributors for this material

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