

Spartech Polycom PGR2446

Polypropylene Homopolymer

Spartech Polycom

Message:

20% Talc Filled Homopolymer Polypropylene, Natural Compound offers a high level of stiffness and heat deflection performance balanced with excellent processability and has a decreased odor and taste presence when compared to other polyolefins, and is FDA-approved for direct food contact. A Spartech Polycom representative can provide further information on this and other Spartech Polycom products.

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Features	Rigid, good		
	Homopolymer		
	Workability, good		
	Heat resistance, high		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.0	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	4.0	%	ASTM D638
Fracture	30	%	ASTM D638
Flexural Modulus - Secant	1620	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	24	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	116	°C	ASTM D648
1.8 MPa, not annealed	60.0	°C	ASTM D648
Optical	Nominal Value		Test Method
Gardner Gloss (60°)	47		ASTM D523

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