

Spartech Polycom PP5250

Polypropylene Homopolymer
Spartech Polycom

Message:

Spartech Polycom PP5250 is a polypropylene homopolymer (PP Homopoly) product, which contains 50% calcium carbonate filler. It can be processed by injection molding and is available in North America.

Features include:

- Homopolymer
- Good stiffness
- Impact resistance

General Information			
Filler / Reinforcement	Calcium carbonate filler, 50% filler by weight		
Features	Rigid, good		
	Homopolymer		
	Impact resistance, good		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	23.4	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	4.0	%	ASTM D638
Fracture	30	%	ASTM D638
Flexural Modulus	2000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	29	J/m	ASTM D256
Dart Drop Impact (23°C)	0.339	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, annealed	118	°C	ASTM D648
1.8 MPa, not annealed	57.2	°C	ASTM D648
Optical	Nominal Value		Test Method
Gardner Gloss (60°)	45		ASTM D523
Additional Information			

Flexural Modulus-Tangent, ASTM D790: 380,000 psi.

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