

Spartech Polycom PP5210

Polypropylene Homopolymer

Spartech Polycom

Message:

Spartech Polycom PP5210 is a polypropylene homopolymer (PP Homopoly) product, which contains 10% calcium carbonate filler. It can be processed by injection molding and is available in North America.

Features include:

high gloss

Homopolymer

Good stiffness

Impact resistance

General Information			
Filler / Reinforcement	Calcium carbonate filler, 10% filler by weight		
Features	Rigid, good		
	Highlight		
	Homopolymer		
	Impact resistance, good		
	Good coloring		
Appearance	White		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.958	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.8	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	31.7	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	7.0	%	ASTM D638
Fracture	130	%	ASTM D638
Flexural Modulus - Secant	1380	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256
Dart Drop Impact (23°C)	0.678	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	87.8	°C	ASTM D648
1.8 MPa, not annealed	48.9	°C	ASTM D648
Optical	Nominal Value		Test Method
Gardner Gloss (60°)	80		ASTM D523
Additional Information			

Flexural Modulus,ASTM D790, Tangent: 250000 psi

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