

Spartech Polycom PP5230

Polypropylene Homopolymer
Spartech Polycom

Message:

Spartech Polycom PP5230 is a polypropylene homopolymer (PP Homopoly) product, which contains 30% 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, 30% 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	1.15	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.2	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	26.9	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	5.5	%	ASTM D638
Fracture	100	%	ASTM D638
Flexural Modulus - Secant	1650	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	40	J/m	ASTM D256
Dart Drop Impact (23°C)	1.81	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	107	°C	ASTM D648
1.8 MPa, not annealed	54.4	°C	ASTM D648
Optical	Nominal Value		Test Method
Gardner Gloss (60°)	65		ASTM D523
Additional Information			

Flexural Modulus,ASTM D790, Tangent: 310000 psi

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