

Spartech Polycom EP5220

Polypropylene Homopolymer

Spartech Polycom

Message:

Spartech Polycom EP5220 is a polypropylene homopolymer (PP Homopoly) product, which contains 20% calcium carbonate filler. It can be processed by blow molding, extrusion, thermoforming or profile extrusion molding, and is available in North America. The application fields of Spartech Polycom EP5220 include engineering/industrial accessories and containers.

Features include:

Homopolymer

Good stiffness

Impact resistance

General Information	
Filler / Reinforcement	Calcium carbonate filler, 20% filler by weight
Features	Rigid, good
	Homopolymer
	Impact resistance, good
Uses	Components
	Food container
Forms	Particle
Processing Method	Blow molding
	Extrusion
	Thermoforming
	Profile extrusion molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	30.3	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	6.0	%	ASTM D638
Fracture	100	%	ASTM D638
Flexural Modulus			ASTM D790
Secant	1590	MPa	ASTM D790
Tangent	2000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	64	J/m	ASTM D256
Dart Drop Impact			ASTM D5420
-6°C	2.71	J	ASTM D5420

23°C	19.0	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	98.9	°C	ASTM D648
1.8 MPa, not annealed	54.4	°C	ASTM D648
Optical	Nominal Value	Test Method	
Gardner Gloss (60°)	75	ASTM D523	

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