

Spartech Polycom EP5120

Polypropylene Homopolymer
Spartech Polycom

Message:

Spartech Polycom EP5120 is a polypropylene homopolymer (PP Homopoly) product, which contains 20% talc 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 EP5120 include engineering/industrial accessories and containers.

Features include:

- high strength
- Homopolymer
- Good stiffness

General Information	
Filler / Reinforcement	Talc filler, 20% filler by weight
Features	Rigid, good
	High strength
	Homopolymer
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)	1.4	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.2	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	4.0	%	ASTM D638
Fracture	30	%	ASTM D638
Flexural Modulus			ASTM D790
Secant	1930	MPa	ASTM D790
Tangent	2620	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	48	J/m	ASTM D256
Dart Drop Impact			ASTM D5420
-6°C	< 1.36	J	ASTM D5420

23°C	2.03	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	121	°C	ASTM D648
1.8 MPa, not annealed	65.6	°C	ASTM D648
Optical	Nominal Value	Test Method	
Gardner Gloss (60°)	47	ASTM D523	

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