

Spartech Polycom EP6120

Polypropylene Copolymer
Spartech Polycom

Message:

Spartech Polycom EP6120 is a polypropylene copolymer (PP Copoly) product, which contains 20% talc filler. It can be processed by blow molding, extrusion or thermoforming and is available in North America. The application fields of Spartech Polycom EP6120 include construction applications, automobile industry, containers and sporting goods.

Features include:

- Impact resistance
- Copolymer
- Good stiffness

General Information	
Filler / Reinforcement	Talc filler, 20% filler by weight
Features	Rigid, good
	Copolymer
	Impact resistance, good
	Low temperature impact resistance
Uses	Architectural application field
	Application in Automobile Field
	Food container
	Sporting goods
Forms	Particle
Processing Method	Blow molding
	Extrusion
	Thermoforming

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)	29.0	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	2140	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256

Dart Drop Impact			ASTM D5420
-6°C	2.71	J	ASTM D5420
23°C	13.6	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	104	°C	ASTM D648
1.8 MPa, not annealed	57.2	°C	ASTM D648
Optical	Nominal Value		Test Method
Gardner Gloss (60°)	45		ASTM D523

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