

Spartech Polycom EP6430

Polypropylene Copolymer
Spartech Polycom

Message:

Spartech Polycom EP6430 is a polypropylene copolymer (PP Copoly) product, which contains a 30% glass fiber reinforced material. It can be processed by blow molding, extrusion or thermoforming and is available in North America. The application fields of Spartech Polycom EP6430 include automobile industry, construction application, container and sporting goods.

Features include:

- Copolymer
- Good stiffness
- Impact resistance

General Information	
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight
Features	Rigid, good
	Copolymer
	Impact resistance, good
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	1.12	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	68.9	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	4.0	%	ASTM D638
Fracture	4.0	%	ASTM D638
Flexural Modulus			ASTM D790
Secant	4140	MPa	ASTM D790
Tangent	5860	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	210	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	157	°C	ASTM D648
1.8 MPa, not annealed	132	°C	ASTM D648
Optical	Nominal Value		Test Method
Gardner Gloss (60°)	50		ASTM D523

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