

## Spartech EP6220 Filled and Reinforced Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Calcium Carbonate (CaCO3) Filler

### Material Notes:

Filled copolymers offer a higher level of impact performance than homopolymer materials, and higher stiffness than unfilled copolymers. Copolymer based materials retain much of their impact strength at low temperatures. Typical applications include thermoformed frozen food containers, extruded and blow molded automotive and construction materials, and blow molded recreational equipment. Information provided by Spartech

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Spartech-EP6220-Filled-and-Reinforced-Copolymer.php](http://www.lookpolymers.com/polymer_Spartech-EP6220-Filled-and-Reinforced-Copolymer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc @Temperature 22.8 Â°C	1.05 g/cc @Temperature 73.0 Â°F	ASTM D792
Filler Content	20 %	20 %	
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	0.125inch wall

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.8 MPa	3600 psi	ASTM D638
Elongation at Break	>= 200 %	>= 200 %	ASTM D638
Elongation at Yield	8.0 %	8.0 %	ASTM D638
Flexural Modulus	1.10 GPa	160 ksi	secant; ASTM D790
	1.59 GPa	230 ksi	tangent; ASTM D790
Izod Impact, Notched	1.60 J/cm @Temperature 22.8 Â°C	3.00 ft-lb/in @Temperature 73.0 Â°F	ASTM D256
Gardner Impact	10.8 J @Temperature -5.56 Â°C	8.00 ft-lb @Temperature 22.0 Â°F	ASTM D5420
	>= 33.9 J @Temperature 22.8 Â°C	>= 25.0 ft-lb @Temperature 73.0 Â°F	ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	82.2 Â°C	180 Â°F	ASTM D648

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	46.1 A°C	113 A°F	ASTM D648

Optical Properties	Metric	English	Comments
Gloss	65 %	65 %	60°; ASTM D523

## Contact Songhan Plastic Technology Co.,Ltd.

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