

Spartech EP6240 Filled and Reinforced Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% 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-EP6240-Filled-and-Reinforced-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc @Temperature 22.8 Â°C	1.25 g/cc @Temperature 73.0 Â°F	ASTM D792
Filler Content	40 %	40 %	
Linear Mold Shrinkage	0.011 cm/cm	0.011 in/in	0.125inch wall

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	23.4 MPa	3400 psi	ASTM D638
Elongation at Break	>= 200 %	>= 200 %	ASTM D638
Elongation at Yield	6.0 %	6.0 %	ASTM D638
Flexural Modulus	1.38 GPa	200 ksi	secant; ASTM D790
	1.93 GPa	280 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	8.13 J @Temperature -5.56 Â°C	6.00 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)	98.9 Â°C	210 Â°F	ASTM D648

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	54.4 A°C	130 A°F	ASTM D648

Optical Properties	Metric	English	Comments
Gloss	55 %	55 %	60°; ASTM D523

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