

Spartech PP7110 Talc Filled High Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 10% Talc Filler

Material Notes:

Good material choice for applications where low to medium levels of impact are required and where stiffness and heat deflection properties remain critical. Information provided by Spartech

Order this product through the following link:

http://www.lookpolymers.com/polymer_Spartech-PP7110-Talc-Filled-High-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.960 g/cc @Temperature 22.8 Â°C	0.960 g/cc @Temperature 73.0 Â°F	ASTM D792
Filler Content	10 %	10 %	
Linear Mold Shrinkage	0.018 cm/cm	0.018 in/in	0.125inch wall

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	22.1 MPa	3200 psi	ASTM D638
Elongation at Break	>= 400 %	>= 400 %	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Modulus	1.10 GPa	160 ksi	secant; ASTM D790
	1.38 GPa	200 ksi	tangent; ASTM D790
Izod Impact, Notched	>= 5.34 J/cm @Temperature 22.8 Â°C	>= 10.0 ft-lb/in @Temperature 73.0 Â°F	ASTM D256
Gardner Impact	>= 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)	90.6 Â°C	195 Â°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	46.1 Â°C	115 Â°F	ASTM D648

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

Optical Properties

Metric

English

Comments

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