

Spartech PP7140 Talc Filled High Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% 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-PP7140-Talc-Filled-High-Impact-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	0.010 cm/cm	0.010 in/in	0.125inch wall

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	19.7 MPa	2850 psi	ASTM D638
Elongation at Break	70 %	70 %	ASTM D638
Elongation at Yield	6.0 %	6.0 %	ASTM D638
Flexural Modulus	1.65 GPa	240 ksi	secant; ASTM D790
	2.07 GPa	300 ksi	tangent; ASTM D790
Izod Impact, Notched	1.07 J/cm @Temperature 22.8 Â°C	2.00 ft-lb/in @Temperature 73.0 Â°F	ASTM D256
Gardner Impact	13.6 J @Temperature 22.8 Â°C	10.0 ft-lb @Temperature 73.0 Â°F	ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	110 Â°C	230 Â°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	60.0 Â°C	140 Â°F	ASTM D648

Optical Properties	Metric	English	Comments
Gloss	37 %	37 %	60Â°; ASTM D523

Optical Properties

Metric

English

Comments

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