

Spartech PP7120 Talc Filled High Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% 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-PP7120-Talc-Filled-High-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc @Temperature 22.8 Â°C	1.04 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	21.4 MPa	3100 psi	ASTM D638
Elongation at Break	>= 400 %	>= 400 %	ASTM D638
Elongation at Yield	8.0 %	8.0 %	ASTM D638
Flexural Modulus	1.28 GPa	185 ksi	secant; ASTM D790
	1.59 GPa	230 ksi	tangent; ASTM D790
Izod Impact, Notched	4.54 J/cm @Temperature 22.8 Â°C	8.50 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)	102 Â°C	215 Â°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	51.7 Â°C	125 Â°F	ASTM D648

Optical Properties	Metric	English	Comments
Gloss	45 %	45 %	60Â°; ASTM D523

Optical Properties	Metric	English	Comments
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