

Spartech PP5120 Talc Filled Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Talc Filler

Material Notes:

Offers an excellent balance of processing improvement and high levels of stiffness and heat deflection temperature. Information provided by Spartech

Order this product through the following link:

http://www.lookpolymers.com/polymer_Spartech-PP5120-Talc-Filled-Homopolymer.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	33.1 MPa	4800 psi	ASTM D638
Elongation at Break	30 %	30 %	ASTM D638
Elongation at Yield	4.0 %	4.0 %	ASTM D638
Flexural Modulus	1.90 GPa	275 ksi	secant; ASTM D790
	2.48 GPa	360 ksi	tangent; ASTM D790
Izod Impact, Notched	0.320 J/cm @Temperature 22.8 Â°C	0.600 ft-lb/in @Temperature 73.0 Â°F	ASTM D256
Gardner Impact	1.36 J @Temperature 22.8 Â°C	1.00 ft-lb @Temperature 73.0 Â°F	ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	116 Â°C	240 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	47 %	47 %	60Â°; ASTM D523

Optical Properties

Metric

English

Comments

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