

Spartech PP5130 Talc Filled Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 30% 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-PP5130-Talc-Filled-Homopolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc @Temperature 22.8 Â°C	1.15 g/cc @Temperature 73.0 Â°F	ASTM D792
Filler Content	30 %	30 %	
Linear Mold Shrinkage	0.012 cm/cm	0.012 in/in	0.125inch wall

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	31.7 MPa	4600 psi	ASTM D638
Elongation at Break	15 %	15 %	ASTM D638
Elongation at Yield	3.0 %	3.0 %	ASTM D638
Flexural Modulus	2.14 GPa	310 ksi	secant; ASTM D790
	2.76 GPa	400 ksi	tangent; ASTM D790
Izod Impact, Notched	0.294 J/cm @Temperature 22.8 Â°C	0.550 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)	127 Â°C	260 Â°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	65.6 Â°C	150 Â°F	ASTM D648

Optical Properties	Metric	English	Comments
Gloss	42 %	42 %	60Â°; ASTM D523

Optical Properties

Metric

English

Comments

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