

Spartech PP5210 Calcium Carbonate Filled Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 10% Calcium Carbonate (CaCO3) Filler

Material Notes:

Offers improved stiffness versus unfilled materials. They offer substantial improvements in drop weight (Gardner) impact over both unfilled polypropylene and other types of filled polypropylene. Calcium Carbonate also offers advantages in appearance, gloss, and colorability due to its bright white color. Information provided by Spartech

Order this product through the following link:

http://www.lookpolymers.com/polymer_Spartech-PP5210-Calcium-Carbonate-Filled-Homopolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.960 g/cc	0.960 g/cc	ASTM D792
	@Temperature 22.8 Å°C	@Temperature 73.0 Å°F	
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	31.7 MPa	4600 psi	ASTM D638
Elongation at Break	125 %	125 %	ASTM D638
Elongation at Yield	7.0 %	7.0 %	ASTM D638
Flexural Modulus	1.38 GPa	200 ksi	secant; ASTM D790
	1.72 GPa	250 ksi	tangent; ASTM D790
Izod Impact, Notched	0.374 J/cm	0.700 ft-lb/in	ASTM D256
	@Temperature 22.8 Å°C	@Temperature 73.0 Å°F	
Gardner Impact	8.13 J	6.00 ft-lb	ASTM D5420
	@Temperature 22.8 Å°C	@Temperature 73.0 Å°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	87.8 Å°C	190 Å°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	48.9 Å°C	120 Å°F	ASTM D648

Optical Properties	Metric	English	Comments
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