

Spartech PP5230 Calcium Carbonate Filled Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 30% 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-PP5230-Calcium-Carbonate-Filled-Homopolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	ASTM D792
	@Temperature 22.8 Å°C	@Temperature 73.0 Å°F	
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	26.9 MPa	3900 psi	ASTM D638
Elongation at Break	100 %	100 %	ASTM D638
Elongation at Yield	5.5 %	5.5 %	ASTM D638
Flexural Modulus	1.65 GPa	240 ksi	secant; ASTM D790
	2.14 GPa	310 ksi	tangent; ASTM D790
Izod Impact, Notched	0.400 J/cm	0.750 ft-lb/in	ASTM D256
	@Temperature 22.8 Å°C	@Temperature 73.0 Å°F	
Gardner Impact	21.7 J	16.0 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)	107 Å°C	225 Å°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	54.4 Å°C	130 Å°F	ASTM D648

Optical Properties	Metric	English	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China