

## Spartech PP5220 Calcium Carbonate Filled Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% 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-PP5220-Calcium-Carbonate-Filled-Homopolymer.php](http://www.lookpolymers.com/polymer_Spartech-PP5220-Calcium-Carbonate-Filled-Homopolymer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
	@Temperature 22.8 Å°C	@Temperature 73.0 Å°F	
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	29.6 MPa	4300 psi	ASTM D638
Elongation at Break	115 %	115 %	ASTM D638
Elongation at Yield	6.0 %	6.0 %	ASTM D638
Flexural Modulus	1.52 GPa	220 ksi	secant; ASTM D790
	1.97 GPa	285 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	16.3 J	12.0 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)	98.9 Å°C	210 Å°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	51.7 Å°C	125 Å°F	ASTM D648

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

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