

Spartech PP7220 Calcium Carbonate Filled High Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Calcium Carbonate (CaCO₃) Filler

Material Notes:

Provides the highest level of impact of all copolymers and are useful in applications where improved processing and stiffness are required versus unfilled copolymer materials. Information provided by Spartech

Order this product through the following link:

http://www.lookpolymers.com/polymer_Spartech-PP7220-Calcium-Carbonate-Filled-High-Impact-Copolymer.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	20.7 MPa	3000 psi	ASTM D638
Elongation at Break	>= 400 %	>= 400 %	ASTM D638
Elongation at Yield	10 %	10 %	ASTM D638
Flexural Modulus	1.00 GPa	145 ksi	secant; ASTM D790
	1.24 GPa	180 ksi	tangent; ASTM D790
Izod Impact, Notched	>= 5.34 J/cm @Temperature 22.8 Â°C	>= 10.0 ft-lb/in @Temperature 73.0 Â°F	ASTM D256
Gardner Impact	>= 40.7 J @Temperature 22.8 Â°C	>= 30.0 ft-lb @Temperature 73.0 Â°F	ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	76.7 Â°C	170 Â°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	40.6 Â°C	105 Â°F	ASTM D648

Optical Properties	Metric	English	Comments
Gloss	55 %	55 %	60Â°; ASTM D523

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