

Spartech PP7240 Calcium Carbonate Filled High Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% 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-PP7240-Calcium-Carbonate-Filled-High-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc	1.25 g/cc	ASTM D792
	@Temperature 22.8 °C	@Temperature 73.0 °F	
Filler Content	40 %	40 %	
Linear Mold Shrinkage	0.010 cm/cm	0.010 in/in	0.125inch wall

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	17.6 MPa	2550 psi	ASTM D638
Elongation at Break	200 %	200 %	ASTM D638
Elongation at Yield	7.0 %	7.0 %	ASTM D638
Flexural Modulus	1.24 GPa	180 ksi	secant; ASTM D790
	1.55 GPa	225 ksi	tangent; ASTM D790
Izod Impact, Notched	4.27 J/cm	8.00 ft-lb/in	ASTM D256
	@Temperature 22.8 °C	@Temperature 73.0 °F	
Gardner Impact	27.1 J	20.0 ft-lb	ASTM D5420
	@Temperature 22.8 °C	@Temperature 73.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	93.3 °C	200 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	44.4 °C	112 °F	ASTM D648

Optical Properties	Metric	English	Comments
Gloss	45 %	45 %	60°; ASTM D523

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