

Washington Penn Medium Impact Copolymer 10% Calcium Carbonate Filled

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

Material Notes:

Calcium carbonate-filled polypropylene compounds have been tailored specifically to meet the requirements of each of the major automobile producers. Grades are available to meet FDA food and drug packaging requirements. These products have excellent mold detail and surface reproduction with fast set-up times. They are also available in an array of colors. Information provided by Washington Penn Plastic Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Washington-Penn-Medium-Impact-Copolymer-10-Calcium-Carbonate-Filled.php

Physical Properties	Metric	English	Comments
Density	0.970 g/cc	0.0350 lb/in ³	ASTM D792
Filler Content	10 %	10 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	20.3 MPa	2950 psi	ASTM D638
Elongation at Break	545 %	545 %	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Modulus	1.17 GPa	170 ksi	1% Secant; ASTM D790
	1.21 GPa	175 ksi	Tangent; ASTM D790
Izod Impact, Notched	1.23 J/cm	2.30 ft-lb/in	ASTM D256
Gardner Impact	13.8 J	10.2 ft-lb	ASTM D5420
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	22.6 J	16.7 ft-lb	ASTM D5420
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	85.0 °C	185 °F	ASTM D648

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