

Washington Penn Medium Impact Copolymer 50% Calcium Carbonate Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 50% Calcium Carbonate

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-50-Calcium-Carbonate-Filled.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	ASTM D792
Filler Content	50 %	50 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	15.5 MPa	2250 psi	ASTM D638
Elongation at Break	235 %	235 %	ASTM D638
Elongation at Yield	4.5 %	4.5 %	ASTM D638
Flexural Modulus	2.07 GPa	300 ksi	1% Secant; ASTM D790
	2.34 GPa	340 ksi	Tangent; ASTM D790
Izod Impact, Notched	1.17 J/cm	2.20 ft-lb/in	ASTM D256
Gardner Impact	19.0 J @Temperature 23.0 °C	14.0 ft-lb @Temperature 73.4 °F	ASTM D5420

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

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