

Washington Penn Homopolymer Polypropylene 40% Calcium Carbonate Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% 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-Homopolymer-Polypropylene-40-Calcium-Carbonate-Filled.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	ASTM D792
Filler Content	40 %	40 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	21.7 MPa	3150 psi	ASTM D638
Elongation at Break	70 %	70 %	ASTM D638
Elongation at Yield	6.0 %	6.0 %	ASTM D638
Flexural Modulus	2.34 GPa	340 ksi	1% Secant; ASTM D790
	2.65 GPa	385 ksi	Tangent; ASTM D790
Izod Impact, Notched	0.427 J/cm	0.800 ft-lb/in	ASTM D256
Gardner Impact	18.1 J @Temperature 23.0 °C	13.3 ft-lb @Temperature 73.4 °F	ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	104 °C	220 °F	ASTM D648

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