

Washington Penn Medium Impact Copolymer 20% Talc Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Talc Filler

Material Notes:

Talc-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-20-Talc-Filled.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ASTM D792
Filler Content	20 %	20 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	23.27 MPa	3375 psi	ASTM D638
Elongation at Break	70 %	70 %	ASTM D638
Elongation at Yield	8.5 %	8.5 %	ASTM D638
Flexural Modulus	1.72 GPa	250 ksi	1% Secant; ASTM D790
	1.97 GPa	285 ksi	Tangent; ASTM D790
Izod Impact, Notched	0.694 J/cm	1.30 ft-lb/in	ASTM D256
Gardner Impact	7.23 J	5.33 ft-lb	ASTM D5420
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	18.1 J	13.3 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)	113 °C	235 °F	ASTM D648

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