

Washington Penn Medium Impact Copolymer 50% Talc Filled

Category : Polymer , Thermoplastic , Polypropylene (PP)

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-50-Talc-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	23.8 MPa	3450 psi	ASTM D638
Elongation at Break	8.0 %	8.0 %	ASTM D638
Elongation at Yield	4.0 %	4.0 %	ASTM D638
Flexural Modulus	3.10 GPa	450 ksi	1% Secant; ASTM D790
	4.27 GPa	620 ksi	Tangent; ASTM D790
Izod Impact, Notched	0.427 J/cm	0.800 ft-lb/in	ASTM D256
Gardner Impact	0.904 J	0.667 ft-lb	ASTM D5420
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	6.33 J	4.67 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)	127 °C	260 °F	ASTM D648

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