

Washington Penn Medium Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

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.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792
Filler Content	0.00 %	0.00 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	22.4 MPa	3250 psi	ASTM D638
Elongation at Break	545 %	545 %	ASTM D638
Elongation at Yield	16 %	16 %	ASTM D638
Flexural Modulus	1.00 GPa	145 ksi	1% Secant; ASTM D790
	1.03 GPa	150 ksi	Tangent; ASTM D790
Izod Impact, Notched	1.23 J/cm	2.30 ft-lb/in	ASTM D256
Gardner Impact	16.5 J	12.2 ft-lb	ASTM D5420
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	24.4 J	18.0 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)	73.9 °C	165 °F	ASTM D648

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