

Washington Penn Homopolymer Polypropylene

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-Homopolymer-Polypropylene.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	32.8 MPa	4750 psi	ASTM D638
Elongation at Break	540 %	540 %	ASTM D638
Elongation at Yield	20 %	20 %	ASTM D638
Flexural Modulus	1.41 GPa	205 ksi	1% Secant; ASTM D790
	1.48 GPa	215 ksi	Tangent; ASTM D790
Izod Impact, Notched	0.320 J/cm	0.600 ft-lb/in	ASTM D256
Gardner Impact	6.33 J @Temperature 23.0 °C	4.67 ft-lb @Temperature 73.4 °F	ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	82.2 °C	180 °F	ASTM D648

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