

Washington Penn PPH2CF2 Polypropylene, 20% Calcium Carbonate Reinforced

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Calcium Carbonate (CaCO3) Filler

Material Notes:

Homopolymer. FDA for food contact, anti-stat package included. Applications: Toys, appliances, housewares, and automotive components. Data provided by Washington Penn Plastic Co., Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Washington-Penn-PPH2CF2-Polypropylene-20-Calcium-Carbonate-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	ASTM D792
Melt Flow	4.0 g/10 min	4.0 g/10 min	Cond L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	26.0 MPa	3770 psi	50 cm/min; ASTM D638
Elongation at Break	300 %	300 %	at 50 cm/min; ASTM D638
Flexural Modulus	1.70 GPa	247 ksi	Tangent; ASTM D790
Izod Impact, Notched	0.500 J/cm @Thickness 3.17 mm	0.937 ft-lb/in @Thickness 0.125 in	ASTM D256
Gardner Impact	9.00 J	6.64 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	100 °C	212 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	ASTM D648

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