

WPP PP PPH3MFQ-5

Polypropylene Homopolymer
Washington Penn Plastic Co. Inc.

Message:

WPP PP PPH3MFQ-5 is a Polypropylene Homopolymer (PP Homopolymer) product filled with 50% mica. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Automotive. Primary characteristic: chemically coupled.

General Information			
Filler / Reinforcement	Mica,50% Filler by Weight		
Features	Chemically Coupled		
Uses	Automotive Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.20 to 0.60	%	ASTM D955
Water Absorption (24 hr)	0.060	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	94		
Shore D	76		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	37.9	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	8960	MPa	ASTM D790
Flexural Strength (Yield)	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.18 mm	28	J/m	
23°C, 6.35 mm	24	J/m	
Unnotched Izod Impact			ASTM D256
23°C, 3.18 mm	120	J/m	
23°C, 6.35 mm	93	J/m	
Gardner Impact (23°C)	0.452	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	154	°C	
1.8 MPa, Unannealed	127	°C	

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