

WPP PP PPH4CG-4

Polypropylene Homopolymer
Washington Penn Plastic Co. Inc.

Message:

WPP PP PPH4CG-4 is a Polypropylene Homopolymer (PP Homopolymer) product filled with calcium carbonate and glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Caps/Lids/Closures.

General Information			
Filler / Reinforcement	Calcium Carbonate		
	Glass Fiber		
Uses	Closures		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.80 to 1.3	%	ASTM D955
Water Absorption (24 hr)	0.030	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	93		
Shore D	75		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.6	MPa	ASTM D638
Tensile Elongation (Break)	6.0	%	ASTM D638
Flexural Modulus	2760	MPa	ASTM D790
Flexural Strength (Yield)	50.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.18 mm	45	J/m	
23°C, 6.35 mm	27	J/m	
Unnotched Izod Impact			ASTM D256
23°C, 3.18 mm	390	J/m	
23°C, 6.35 mm	280	J/m	
Gardner Impact (23°C)	0.904	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	132	°C	
1.8 MPa, Unannealed	85.0	°C	

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Recommended distributors for this material

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