

WPP PP PPH4GF3-Black

Polypropylene Homopolymer
Washington Penn Plastic Co. Inc.

Message:

WPP PP PPH4GF3-Black is a polypropylene homopolymer (PP Homopoly) product, which contains a 30% glass fiber reinforced material. It is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. WPP PPH4GF3-Black applications include the automotive industry and consumer goods.

Features include:

- high strength
- Homopolymer
- Good dimensional stability
- Good stiffness

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Good dimensional stability		
	Rigid, good		
	High tensile strength		
	Homopolymer		
Uses	Application in Automobile Field		
	Consumer goods application field		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	84.0	MPa	ISO 527-2/5
Flexural Modulus ¹	5600	MPa	ISO 178
Flexural Stress ²	134	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	43	kJ/m ²	ISO 179
Notched Izod Impact			
-40°C	7.0	kJ/m ²	ISO 180
23°C	8.0	kJ/m ²	ISO 180, ISO 180/1B
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	158	°C	ISO 75-2/B
1.8 MPa, not annealed	149	°C	ISO 75-2/A
Additional Information			
Tested at 23 ± 2°C (73.4 ± 3.6°F) and 50 ± 5% relative humidity unless otherwise noted.			

NOTE

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| 1. | 2.0 mm/min |
| 2. | 2.0 mm/min |

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

