

WPP PP PPH1CF4-Black

Polypropylene Homopolymer
Washington Penn Plastic Co. Inc.

Message:

WPP PP PPH1CF4-Black is a polypropylene homopolymer (PP Homopoly) product, which contains 41% calcium carbonate filler. It can be processed by extrusion and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Typical application areas are: automotive industry.

Features include:

- Good processability
- Homopolymer
- Good stiffness
- Impact resistance
- heat stabilizer

General Information			
UL YellowCard	E71070-249243		
Filler / Reinforcement	Calcium carbonate filler, 41% filler by weight		
Additive	heat stabilizer		
Features	Rigid, good		
	Homopolymer		
	Impact resistance, good		
	Workability, good		
	Thermal Stability		
Uses	Application in Automobile Field		
	Car interior equipment		
Appearance	Black		
	Available colors		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.80	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	25.0	MPa	ASTM D638
Yield	24.0	MPa	ISO 527-2/5
Yield	25.0	MPa	ISO 527-2/50
Fracture ²	25.0	MPa	ASTM D638
Fracture	21.0	MPa	ISO 527-2/5
Tensile Elongation			

Fracture ³	240	%	ASTM D638
Fracture	570	%	ISO 527-2/5
Flexural Modulus			
-- ⁴	2500	MPa	ASTM D790
Tangent	2500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	kJ/m ²	ISO 179
Notched Izod Impact			
23°C	200	J/m	ASTM D256
-40°C	3.0	kJ/m ²	ISO 180
23°C	10	kJ/m ²	ISO 180
Unnotched Izod Impact (23°C)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, not annealed	114	°C	ASTM D648
0.45 MPa, not annealed	112	°C	ISO 75-2/B
1.8 MPa, not annealed	65.0	°C	ASTM D648, ISO 75-2/A
1.8 MPa, not annealed	64.0	°C	ISO 75-2/Af
Additional Information			
Tested at 23 ± 2°C (73.4 ± 3.6°F) and 50 ± 5% relative humidity unless otherwise noted			
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	50 mm/min		
4.	1.3 mm/min		

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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

