

WPP PP PPH5TF2-Black

Polypropylene Homopolymer
Washington Penn Plastic Co. Inc.

Message:

WPP PP PPH5TF2-Black is a polypropylene homopolymer (PP Homopoly) product, which contains 20% talc filler. It is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Typical application areas are: automotive industry. The main characteristics are: heat stabilizer.

General Information	
Filler / Reinforcement	Talc filler, 20% filler by weight
Additive	heat stabilizer
Features	Medium liquidity
	Thermal Stability
Uses	Application in Automobile Field
	Automotive exterior parts
Appearance	Black
	Available colors

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	101		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			
Yield	33.0	MPa	ISO 527-2/5
Fracture ¹	33.0	MPa	ASTM D638
Tensile Elongation			
Fracture ²	28	%	ASTM D638
Fracture	37	%	ISO 527-2/5
Flexural Modulus			
-- ³	2600	MPa	ASTM D790
-- ⁴	2800	MPa	ISO 178
Flexural Stress			
-- ⁵	54.0	MPa	ISO 178
Yield ⁶	54.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	34	J/m	ASTM D256

23°C	3.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, not annealed	73.0	°C	ASTM D648
1.8 MPa, not annealed	74.0	°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			
1.	10 mm/min		
2.	10 mm/min		
3.	1.3 mm/min		
4.	2.0 mm/min		
5.	2.0 mm/min		
6.	1.3 mm/min		

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