

WPP PP PPH5TF2-Natural

Polypropylene Homopolymer
Washington Penn Plastic Co. Inc.

Message:

WPP PP PPH5TF2-Natural 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	Parts under the hood of a car		
	Application in Automobile Field		
Appearance	Available colors		
	Natural color		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	34.0	MPa	ASTM D638
Yield	32.0	MPa	ISO 527-2/5
Yield	35.0	MPa	ISO 527-2/50
Flexural Modulus			
-- ²	2300	MPa	ASTM D790
-- ³	2500	MPa	ISO 178
Flexural Stress ⁴	50.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	24	J/m	ASTM D256
-40°C	1.7	kJ/m ²	ISO 180
23°C	2.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	129	°C	ISO 75-2/B
0.45 MPa, annealed	130	°C	ISO 75-2/B

1.8 MPa, not annealed	75.0	°C	ASTM D648, ISO 75-2/Af
1.8 MPa, not annealed	82.0	°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.	50 mm/min		
2.	1.3 mm/min		
3.	2.0 mm/min		
4.	2.0 mm/min		

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