

WPP PP PRC25TF2HF-Black

Polypropylene Homopolymer
Washington Penn Plastic Co. Inc.

Message:

WPP PP PRC25TF2HF-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.

Features include:

- environmental protection/green
- high liquidity
- Homopolymer
- Heat resistance
- heat stabilizer

General Information	
Filler / Reinforcement	Talc filler, 20% filler by weight
Additive	heat stabilizer
Recycled Content	Yes, 25%
Features	Homopolymer
	High liquidity
	Heat resistance, high
	Thermal Stability
Uses	Parts under the hood of a car
	Application in Automobile Field
Appearance	Black
	Available colors

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	30.0	MPa	ASTM D638
Yield	29.0	MPa	ISO 527-2/5
Yield	31.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	9.0	%	ISO 527-2/5
Flexural Modulus			
-- ²	2300	MPa	ASTM D790
-- ³	2400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.0	kJ/m ²	ISO 179

Notched Izod Impact			
23°C	33	J/m	ASTM D256
23°C	4.0	kJ/m ²	ISO 180/1B
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, not annealed	70.0	°C	ASTM D648
1.8 MPa, not annealed	69.0	°C	ISO 75-2/Af
1.8 MPa, annealed	94.0	°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		

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