

WPP PP PRC25TF2HFL-Black

Polypropylene Homopolymer
Washington Penn Plastic Co. Inc.

Message:

WPP PP PRC25TF2HFL-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
- heat stabilizer

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Additive	heat stabilizer		
Recycled Content	Yes, 25%		
Features	High liquidity		
	Thermal Stability		
Uses	Application in Automobile Field		
	Automotive exterior parts		
Appearance	Black		
	Available colors		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	94		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	31.0	MPa	ASTM D638
Yield	29.0	MPa	ISO 527-2/5
Tensile Elongation			
Fracture ²	20	%	ASTM D638
Fracture	10	%	ISO 527-2/5
Flexural Modulus			
6.00 mm ³	2600	MPa	ASTM D790
-- ⁴	2200	MPa	ISO 178
Flexural Strength ⁵ (6.00 mm)	48.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength (23°C)	3.0	kJ/m ²	ISO 179
Notched Izod Impact			
-10°C, 6.00 mm	21	J/m	ASTM D256
23°C, 6.00 mm	32	J/m	ASTM D256
-40°C	2.0	kJ/m ²	ISO 180
-10°C	2.4	kJ/m ²	ISO 180
23°C	3.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, unannealed, 6.00mm	140	°C	ASTM D648
0.45 MPa, not annealed	122	°C	ISO 75-2/B
1.8 MPa, not annealed	73.0	°C	ISO 75-2/A
1.8 MPa, not annealed	71.0	°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.	51 mm/min
2.	51 mm/min
3.	30 mm/min
4.	2.0 mm/min
5.	30 mm/min

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