

WPP PP PRC25TF2-Black

Polypropylene Homopolymer
Washington Penn Plastic Co. Inc.

Message:

WPP PP PRC25TF2-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
- Homopolymer
- heat stabilizer

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Additive	heat stabilizer		
Recycled Content	Yes, 25%		
Features	Homopolymer		
	Thermal Stability		
Uses	Parts under the hood of a car		
	Application in Automobile Field		
Appearance	Black		
	Available colors		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2/1
Tensile Strength			
Yield ¹	31.0	MPa	ASTM D638
Yield	29.0	MPa	ISO 527-2/5
Yield	31.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	10	%	ISO 527-2/5
Flexural Modulus			
-- ²	2300	MPa	ASTM D790
-- ³	2300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m²	ISO 179
Notched Izod Impact			

23°C	35	J/m	ASTM D256
-40°C	2.0	kJ/m ²	ISO 180
-10°C	2.0	kJ/m ²	ISO 180
23°C	3.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	118	°C	ISO 75-2/B
1.8 MPa, not annealed	70.0	°C	ASTM D648
1.8 MPa, not annealed	71.0	°C	ISO 75-2/A
1.8 MPa, not annealed	67.0	°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.	1.3 mm/min		
3.	2.0 mm/min		

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