

# WPP PP PRC25TF4-Black B46211

Washington Penn Plastic Co. Inc. - Polypropylene Homopolymer

Wednesday, October 9, 2019

## General Information

### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Talc, 39% Filler by Weight		
Recycled Content	• Yes, 25%		
Features	• Ductile • Good Flow	• Heat Aging Resistant • High Heat Resistance	• High Rigidity
Uses	• Automotive Applications	• Automotive Exterior Parts	• Automotive Interior Parts
Appearance	• Black	• Colors Available	

## ASTM & ISO Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	29.0	MPa	ISO 527-2/5
Tensile Strain (Break)	8.0	%	ISO 527-2/5
Flexural Modulus <sup>2</sup>	4100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	1.5	kJ/m <sup>2</sup>	ISO 179
Notched Izod Impact Strength			ISO 180
-40°C	2.0	kJ/m <sup>2</sup>	
23°C	2.0	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	131	°C	ISO 75-2/B
Heat Deflection Temperature 1.8 MPa, Unannealed	87.0	°C	ISO 75-2/A
1.8 MPa, Unannealed	84.0	°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.

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 2.0 mm/min