

# WPP PP PRC25TF2HF-Black

Polypropylene Homopolymer  
Washington Penn Plastic Co. Inc.



Prospector

General			
Material Status	• Commercial: Active		
Availability	• North America		
Filler / Reinforcement	• Talc Filler, 20% Filler by Weight		
Additive	• Heat Stabilizer		
Recycled Content	• Yes, 25%		
Features	• Heat Stabilized	• High Flow	• Homopolymer
Uses	• Automotive Applications		
Appearance	• Black	• Colors Available	
Forms	• Pellets		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield)	31.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	12	%	ASTM D638
Flexural Modulus - Tangent <sup>3</sup>	2310	MPa	ASTM D790
Flexural Strength <sup>3</sup>	48.3	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.18 mm	26.2	J/m	
23°C, 3.18 mm	32.0	J/m	

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	73		ASTM D2240

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	122	°C	
1.8 MPa, Unannealed	76.0	°C	

## Notes

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

<sup>2</sup> 51 mm/min

<sup>3</sup> 1.3 mm/min