



# WPP PP PPH2MF1-Black

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	• Mica, 12% Filler by Weight		
Additive	• Heat Stabilizer	• UV Stabilizer	
Features	• Heat Stabilized	• Homopolymer	• UV Resistant
Uses	• Automotive Applications	• Automotive Exterior Parts	
Appearance	• Black	• Colors Available	

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.978	g/cm <sup>3</sup>	ASTM D792
Density	0.978	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield)	34.0	MPa	ASTM D638
Tensile Stress (Yield)	34.0	MPa	ISO 527-2/50
Flexural Modulus <sup>3</sup>	2500	MPa	ASTM D790
Flexural Modulus <sup>4</sup>	2500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.5	kJ/m <sup>2</sup>	ISO 179
Notched Izod Impact (23°C)	34	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	75.0	°C	ASTM D648
Heat Deflection Temperature (1.8 MPa, Unannealed)	74.0	°C	ISO 75-2/Af

### Additional Information

Material is tested at 73 ± 3°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> 50 mm/min

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

<sup>4</sup> 2.0 mm/min