



WPP PP PRC25TF4-Black B46051

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, 43% Filler by Weight		
Additive	• Heat Stabilizer	• UV Stabilizer	
Recycled Content	• Yes, 25%		
Features	• Heat Stabilized • Homopolymer	• UV Resistant • Weather Resistant	
Uses	• Automotive Applications	• Automotive Exterior Parts	
Appearance	• Black	• Colors Available	

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.26	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	29.0	MPa	ISO 527-2/5
Flexural Modulus ²	4200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-40°C	2.0	kJ/m ²	
23°C	2.5	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	132	°C	ISO 75-2/B
Heat Deflection Temperature (1.8 MPa, Unannealed)	89.0	°C	ISO 75-2/A

Additional Information

Tested at 23 ± 2°C (73.4 ± 3.6°F) and 50 ± 5% relative humidity unless otherwise noted.

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 mm/min