



WPP PP PRC25TF4HF-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	• Talc, 40% Filler by Weight		
Additive	• Heat Stabilizer		
Recycled Content	• Yes, 25%		
Features	• Heat Stabilized	• Homopolymer	
Uses	• Automotive Applications		
Appearance	• Black	• Colors Available	
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.24	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	32.4	MPa	ASTM D638
Tensile Elongation ² (Break)	13	%	ASTM D638
Flexural Modulus - Tangent ³	3790	MPa	ASTM D790
Flexural Strength ³	51.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.18 mm	21	J/m	
23°C, 3.18 mm	29	J/m	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	78		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	125	°C	
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed	85.0	°C	

Notes

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

² 51 mm/min

³ 1.3 mm/min