



WPP PP PPH3MG3.7

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	• Glass\Mica, 37% Filler by Weight		
Features	• Homopolymer	• Medium Flow	
Uses	• Automotive Applications	• Industrial Applications	
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	7.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	66.2	MPa	ASTM D638
Tensile Elongation ² (Break)	12	%	ASTM D638
Flexural Modulus - Tangent	6270	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	80	J/m	ASTM D256
Unnotched Izod Impact (23°C, 3.18 mm)	460	J/m	ASTM D256
Gardner Impact (23°C)	0.904	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 0.45 MPa, Unannealed	158	°C	ASTM D648
Deflection Temperature Under Load 1.8 MPa, Unannealed	142	°C	ASTM D648

Notes

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

² 51 mm/min