

WPP PP VB-511

Washington Penn Plastic Co. Inc. - Polypropylene Copolymer

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, 10% Filler by Weight		
Features	• Copolymer		
Uses	• Automotive Interior Parts		
Forms	• Pellets		

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.978	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	6.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.2 to 1.7	%	ASTM D955
Water Absorption (24 hr)	0.020	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.6	MPa	ASTM D638
Tensile Elongation (Break)	200	%	ASTM D638
Flexural Modulus	1240	MPa	ASTM D790
Flexural Strength (Yield)	34.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.18 mm	130	J/m	
23°C, 6.35 mm	91	J/m	
Unnotched Izod Impact			ASTM D256
23°C, 3.18 mm	1500	J/m	
23°C, 6.35 mm	960	J/m	
Gardner Impact (23°C)	15.8	J	ASTM D3029
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	93		
Shore D	68		
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	95.0	°C	
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed	37.8	°C	

Notes

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