

WPP PP VB-511

Polypropylene Copolymer
Washington Penn Plastic Co. Inc.

Message:

WPP PP VB-511 is a Polypropylene Copolymer (PP Copolymer) product filled with 10% talc. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Automotive. Primary characteristic: copolymer.

General Information			
Filler / Reinforcement	Talc,10% Filler by Weight		
Features	Copolymer		
Uses	Automotive Interior Parts		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
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
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	93		
Shore D	68		
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
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	95.0	°C	
1.8 MPa, Unannealed	37.8	°C	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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