

WPP PP PP1MT-3

Polypropylene

Washington Penn Plastic Co. Inc.

Message:

WPP PP PP1MT-3 is a Polypropylene product filled with mica and talc. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

General Information			
Filler / Reinforcement	Mica		
	Talc		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	1.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 1.0	%	ASTM D955
Water Absorption (24 hr)	0.080	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	94		
Shore D	77		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	30.3	MPa	ASTM D638
Tensile Elongation (Break)	8.0	%	ASTM D638
Flexural Modulus	4140	MPa	ASTM D790
Flexural Strength (Yield)	57.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.18 mm	48	J/m	
23°C, 6.35 mm	43	J/m	
Unnotched Izod Impact			ASTM D256
23°C, 3.18 mm	250	J/m	
23°C, 6.35 mm	190	J/m	
Gardner Impact (23°C)	0.904	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	125	°C	
1.8 MPa, Unannealed	90.0	°C	

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