

WPP PP PPTFFR-2

Polypropylene

Washington Penn Plastic Co. Inc.

Message:

WPP PP PPTFFR-2 is a Polypropylene product filled with 20% talc. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Appliances. Primary characteristic: flame retardant.

General Information			
Filler / Reinforcement	Talc,20% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
Uses	Appliances		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	9.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.70 to 1.2	%	ASTM D955
Water Absorption (24 hr)	0.020	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	92		
Shore D	77		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.5	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	3450	MPa	ASTM D790
Flexural Strength (Yield)	62.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.18 mm	43	J/m	
23°C, 6.35 mm	32	J/m	
Unnotched Izod Impact			ASTM D256
23°C, 3.18 mm	340	J/m	
23°C, 6.35 mm	360	J/m	
Gardner Impact (23°C)	0.565	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	129	°C	
1.8 MPa, Unannealed	79.4	°C	

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