

# WPP PP PPC3TF1.3-Natural

Polypropylene Copolymer

Washington Penn Plastic Co. Inc.

Message:

WPP PP PPC3TF1.3-Natural is a polypropylene copolymer (PP Copoly) product, which contains 13% talc filler. It can be processed by injection molding and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Typical application areas are: automotive industry. Features include:

- Copolymer
- Good dimensional stability
- Good stiffness
- Impact resistance

General Information			
Filler / Reinforcement	Talc filler, 13% filler by weight		
Features	Good dimensional stability		
	Rigid, good		
	Copolymer		
	Impact resistance, good		
Uses	Application in Automobile Field		
	Car interior equipment		
Appearance	Available colors		
	Natural color		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.990	g/cm <sup>3</sup>	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield <sup>1</sup>	35.0	MPa	ASTM D638
Yield	36.0	MPa	ISO 527-2/50
Flexural Modulus			
Tangent <sup>2</sup>	2100	MPa	ASTM D790
-- <sup>3</sup>	2200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	29	J/m	ASTM D256
-40°C	2.0	kJ/m <sup>2</sup>	ISO 180
-15°C	2.1	kJ/m <sup>2</sup>	ISO 180

23°C	3.0	kJ/m <sup>2</sup>	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, not annealed	127	°C	ASTM D648
0.45 MPa, not annealed	119	°C	ISO 75-2/B
1.8 MPa, not annealed	72.0	°C	ISO 75-2/A
Additional Information			
Tested at 23 ± 2°C (73.4 ± 3.6°F) and 50 ± 5% relative humidity unless otherwise noted			
NOTE			
1.	50 mm/min		
2.	1.3 mm/min		
3.	2.0 mm/min		

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#### Recommended distributors for this material

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