



WPP PP UP4I203 - Natural

Washington Penn Plastic Co. Inc. - Polypropylene Homopolymer

Wednesday, October 9, 2019

General Information

Product Description

Talc filled polypropylene homopolymer
Long term heat aging stabilization package
UL RTI of 120°C
UL 94 HB Flame Rating
UL listed for use in laundry equipment

General

Material Status	• Experimental: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Talc, 21% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Filled	• Heat Aging Resistant	• Homopolymer
Uses	• Appliances		
Appearance	• Colors Available	• Natural Color	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	35.2	MPa	ASTM D638
Flexural Modulus - Chord ^{3, 4}	3100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	27	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 0.45 MPa, Unannealed	127	°C	ASTM D648
Deflection Temperature Under Load 1.8 MPa, Unannealed	73.9	°C	ASTM D648
RTI Elec	120	°C	UL 746
RTI Imp	120	°C	UL 746
RTI Str	120	°C	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

Additional Information

Tested at 23 ± 2°C (73.4 ± 3.6°F) and 50 ± 5% relative humidity unless otherwise noted.

Notes

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

² 51 mm/min

³ 13 mm/min

⁴ Chord 0.05% to 0.25%