

WPP PP PPC3GF1.5-Black

Washington Penn Plastic Co. Inc. - Polypropylene Copolymer

Tuesday, January 21, 2020

General Information

Product Description

Properties shown below for this filled blend are typical for a 15% fiberglass reinforced polypropylene copolymer.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight		
Additive	• UV Stabilizer		
Features	• Copolymer • Good Stiffness	• High Tensile Strength • Medium Flow	• UV Resistant
Appearance	• Black • Colors Available		
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.982	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	33.8	MPa	ASTM D638
Flexural Modulus ³	1570	MPa	ASTM D790
Flexural Strength ³	46.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 0.45 MPa, Unannealed	147	°C	ASTM D648
Deflection Temperature Under Load 1.8 MPa, Unannealed	87.0	°C	ASTM D648

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 5.3 mm/min