Washington Penn Plastic Co., Inc.
Engineering Polyolefin Compounds®
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PPH4GF3-Black

A 30% glass-reinforced polypropylene homopolymer.

TYPICAL APPLICATIONS:

Injection molded parts for consumer and automotive applications

Product Description:

The properties shown below for this filled blend are typical for a 30% fiberglass reinforced polypropylene homopolymer.

Approved To: WSS-M4D854-B1
Tested To: NVB 10.050 F
VW 440 45 PP10

Features and Options:

- Medium tensile and stiffness
- Excellent dimensional stability
- Tested at 23 ± 2°C (73.4 ± 3.6°F) and 50 ± 10% relative humidity unless otherwise noted.

Physical Properties	Typical Values*	Test Method
Melt Flow	15 g/10 min	ISO 1133
Filler Content	30%	ISO 3451
Density	1.11 g/cm^3	ISO 1183
Notched Izod Impact @ 23°C	9 kJ/m^2	ISO 180/1B
Notched Charpy Impact @ 23°C	9 kJ/m^2	ISO 179
Notched Charpy Impact @ -40°C	7 kJ/m^2	ISO 179
Un-notched Charpy Impact @ 23°C	43 kJ/m^2	ISO 179
Tensile Strength @ Break (50mm/minute)	90 MPa	ISO 527
Tensile Elongation @ Break (50mm/minute)	2%	ISO 527
Tensile Strength @ Yield (5mm/minute)	82 MPa	ISO 527
Tensile Modulus (1mm/minute)	6,200 MPa	ISO 527
Flexural Modulus (2mm/minute)	5,900 MPa	ISO 178
Flexural Strength (2mm/minute)	126 MPa	ISO 178
Deflection Temperature @ 1820 KPa	151°C	ISO 75
Deflection Temperature @ 1820 KPa (Flatwise)	146°C	ISO 75

NOTE: Custom colors available upon request.

* Values given are typical and should not be interpreted as product specification. To obtain values for specific application purposes, contact your Washington Penn Plastic representative.

The results reported are typical and based on reliable testing procedures. However, due to variable processing methods and conditions, no guarantees or warranties are expressed or implied, including expressions of fitness for purpose or merchantability. No recommendations are made to infringe on patents.