Washington Penn Plastic Co., Inc.
Engineering Polyolefin Compounds®
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PPH2GF3-Black

A 30% glass-reinforced polypropylene homopolymer

TYPICAL APPLICATIONS:

Various automotive applications and consumer goods

Product Description:

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

Approved To: **GMP.PP.017, GMW16607**
MS-DB500 CPN 3580
WSB-M4D732-A3, WSS-M4D854-B1
NVB 15007 Rev A, ROH-92028

Features and Options:

- Excellent 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	4 g/10 min	ASTM D1238 ISO 1133
Filler Content	30%	ASTM D5630 ISO 3451
Density/Specific Gravity	1.12	ASTM D792 ISO 1183
ASTM Testing		
Notched Izod Impact @ 23°C	88 J/m	ASTM D256
Tensile Strength @ Ultimate (5mm/minute)	72 MPa	ASTM D638
Tensile Elongation @ Break (5mm/minute)	7%	ASTM D638
Flexural Modulus (1.27mm/minute)	5,500 MPa	ASTM D790
Flexural Strength (1.27mm/minute)	120 MPa	ASTM D790
Deflection Temperature @ 264 psi	148°C	ASTM D648
ISO Testing		
Notched Izod Impact @ 23°C	8 kJ/m^2	ISO 180
Notched Izod Impact @ -40°C	5 kJ/m^2	ISO 180
Notched Charpy Impact @ 23°C	8 kJ/m^2	ISO 179
Notched Charpy Impact @ -40°C	5 kJ/m^2	ISO 179
Un-Notched Charpy Impact @ 23°C	39 kJ/m^2	ISO 179
Un-notched Charpy Impact @ -30°C	32 kJ/m^2	ISO 179
Tensile Strength @ Yield (5mm/minute)	75 MPa	ISO 527
Tensile Strength @ Ultimate (5mm/minute)	75 MPa	ISO 527
Tensile Strength @ Yield (50mm/minute)	81 MPa	ISO 527
Tensile Strength @ Break (50mm/minute)	80 MPa	ISO 527
Tensile Elongation @ Break (50mm/minute)	3%	SO 527
Tensile Modulus (1mm/minute)	6,500 MPa	ISO 527
Flexural Modulus (2mm/minute)	5,500 MPa	ISO 178
Deflection Temperature @ 1820 KPa 455 KPa	147°C 158°C	ISO 75
Deflection Temperature @ 1820 KPa (Flatwise)	140°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.