Washington Penn Plastic Co., Inc.
450 Racetrack Road • P.O. Box 236
Washington, Pennsylvania 15301-6183
Phone (724) 228-1260
Fax (724) 223-9300
Website www.washpenn.com

PPH2GF1-Black

A 10% glass-reinforced polypropylene homopolymer.

TYPICAL APPLICATIONS:

Various automotive applications and consumer goods.

Product Description:

Properties shown below for this filled blend are typical for a 10% fiberglass reinforced polypropylene homopolymer.

Approved to: GMP.PP.017
MS-DB500 CPN 3580
WSB-M4D732-A3
ASTM D4000 Call Out
NVB 10.036
ROH-92028

Features and Options:

Excellent tensile and stiffness.
Mold shrinkage comparable to ABS and PC.
Excellent dimensional stability.

- Material is tested at 73 ± 3°F and 50 ± 5% Relative Humidity unless otherwise noted.

Physical Properties	Typical Values*	Test Method
Melt Flow	12 g/10 min	ASTM D1238 ISO 1133
Filler Content	10%	ASTM D5630 ISO 3451/1
Density/Specific Gravity	0.97	ASTM D792 ISO 1183
ASTM Testing		
Un-notched Izod Impact @ 23°C	64 J/m	ASTM D256
Tensile Strength @ Ultimate (5mm/minute)	58 MPa	ASTM D638
Tensile Elongation @ Break (5mm/minute)	4%	ASTM D638
Flexural Modulus (1.27mm/minute)	2650 MPa	ASTM D790
Deflection Temperature @ 264 psi	148°C	ASTM D648
Vicat Softening	161°C	ASTM D1525
Durometer Hardness	105R	ASTM D2240
ISO Testing		
Un-Notched Izod Impact @ 23°C	6.5 kJ/m^2	ISO 180/1U
Tensile Strength @ Ultimate (5mm/minute)	59 MPa	ISO 527
Tensile Elongation @ Break (5mm/minute)	4 %	ISO 527
Tensile Strength @ Yield (50mm/minute)	80 MPa	ISO 527
Flexural Modulus (2mm/minute)	2, 700 MPa	ISO 178
Flexural Strength (2mm/minute)	79 MPa	ISO 178
Deflection Temperature @ 1820 KPa 455 KPa	126°C 160°C	ISO 75

- 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.
- Mold shrinkage is based upon specific part design and actual values may differ greatly from reported values obtained from testing procedure utilized.

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.

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.
Mold shrinkage is based upon specific part design and actual values may differ greatly from reported values obtained from testing procedure utilized.

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.