

**Washington Penn Plastic Co., Inc.**

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# PPH2TF2-Black

A 20% talc-reinforced polypropylene homopolymer.

**TYPICAL APPLICATIONS:**

HVAC units, fan shrouds, and other automotive components.

**Product Description:**

Properties shown below for this filled blend are typical for a 20% talc-reinforced polypropylene homopolymer. This basic product satisfies many application needs. Special compounds are available.

**Approved to: MS-DB500 CPN 2347**  
**GMP.PP.008**  
**ESA-M4D293-A**  
**NVB.10.037 J**  
**VW 440 45 PP6**

**Features and Options:**

- Heat stabilized.
- UV stabilization for improved weatherability available.
- Custom versions of this compound are available.
- Tested at  $23 \pm 2^{\circ}\text{C}$  ( $73.4 \pm 3.6^{\circ}\text{F}$ ) and  $50 \pm 5\%$  relative humidity unless otherwise noted.

Physical Properties	Typical Values*	Test Method
Melt Flow	6 g/10 min	ASTM D1238 ISO 1133
Filler Content	20%	ASTM D5630 ISO 3451
Density/Specific Gravity	1.06	ASTM D792 ISO 1183
<b>ASTM Testing</b>		
Notched Izod Impact @ 23°C	32 J/m	ASTM D256
Un-notched Izod Impact @ 23°C	600 J/m	ASTM D256
Tensile Strength @ Yield (50mm/minute)	32 MPa	ASTM D638
Tensile Elongation @ Yield (50mm/minute)	9%	ASTM D638
Flexural Modulus (1.27mm/minute)	2,300 MPa	ASTM D790
Heat Deflection Temperature @ 66 psi 264 psi	124°C 71°C	ASTM D648
<b>ISO Testing</b>		
Notched Izod Impact @ 23°C	3 kJ/m <sup>2</sup>	ISO 180
Notched Izod Impact @ 23°C	5 kJ/m <sup>2</sup>	ISO 180/1B
Notched Charpy Impact @ 23°C	3 kJ/m <sup>2</sup>	ISO 179
Tensile Strength @ Yield (5mm/minute)	37 MPa	ISO 527
Tensile Elongation @ Yield (5mm/minute)	10%	ISO 527
Tensile Strength @ Yield (50mm/minute)	33 MPa	ISO 527
Flexural Modulus (2mm/minute)	2,400 MPa	ISO 178
Flexural Strength (2mm/minute)	46 MPa	ISO 178
Deflection Temperature @ 455 KPa	111°C	ISO 75
Deflection Temperature @ 1820 KPa (Annealed)	95°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.

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