



## Washington Penn Plastic Co., Inc.

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### Product Description:

Properties shown below for this filled blend are typical for a 20% talc-reinforced polypropylene homopolymer that contains a minimum of 25% post-consumer recycled resin.

**Approved To:** WSH-M4D293-B2  
VAM-PP010000-T20BKH25 App 003  
GMW15702 –Call Out  
MS213-28 Type 11  
MS-DB 500 CPN 4375  
SD2-189 Par 4.16

# PRC25TF2HFL-Black

A 20% talc-reinforced polypropylene homopolymer with a minimum of 25% post-consumer recycled content.

### TYPICAL APPLICATIONS:

HVAC units, fan shrouds, other automotive components.

### Features and Options:

- High flow.
- Heat stabilized for use at elevated temperatures.
- Custom versions of this compound are available.
- Some custom colors 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	10 g/10 min	ASTM D1238 ISO 1133
Filler Content	20%	ASTM D5630 ISO 3451
Density/Specific Gravity	1.07	ASTM D792 ISO 1183
<b>ASTM Properties</b>		
Notched Izod Impact @ 23°C, 6 mm bars	32 J/m	ASTM D256
Notched Izod Impact @ -10°C, 6 mm bars	21 J/m	ASTM D256
Tensile Strength @ Yield (2"/minute)	31 MPa	ASTM D638
Tensile Elongation @ Break (2"/minute)	20%	ASTM D638
Flexural Modulus (1.18"/minute) 6 mm bars	2,600 MPa	ASTM D790
Flexural Strength (1.18"/minute) 6 mm bars	48 MPa	ASTM D790
Deflection Temperature @ 66 psi, 6 mm bars	140°C	ASTM D648
Rockwell Hardness	94 R Scale	ASTM D785
<b>ISO Properties</b>		
Notched Izod Impact @ 23°C	3.5 kJ/m <sup>2</sup>	ISO 180
Notched Izod Impact @ -10°C	2.4 kJ/m <sup>2</sup>	ISO 180
Notched Izod Impact @ -40°C	2 kJ/m <sup>2</sup>	ISO 180
Notched Charpy Impact @ 23°C	3 kJ/m <sup>2</sup>	ISO 179
Tensile Strength @ Yield (5mm/minute)	29 MPa	ISO 527
Tensile Elongation @ Ultimate (5mm/minute)	10%	ISO 527
Flexural Modulus (2mm/minute)	2,200 MPa	ISO 178
Deflection Temperature @ 1820 kPa @ 455 kPa	73°C 122°C	ISO 75
Deflection Temperature @ 1820 kPa (Flatwise)	71°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.