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PRC25TF2HF-Black

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

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 product contains a minimum of 25% post-consumer recycled resin.

**Approved To: NVB 10.037 J
MS-DB 500 CPN 4375
GMP.PP.081R**

Features and Options:

- High flow.
- High heat deflection temperature.
- Heat stabilized for use at elevated temperatures.
- Custom versions of this compound are available.
- Some custom colors available.
- Tested at 23 ± 2°C (73.4 ± 3.6°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	20%	ASTM D5630 ISO 3451/1
Density/Specific Gravity	1.06	ASTM D792 ISO 1183

ASTM Testing

Notched Izod Impact @ 23°C	33 J/m	ASTM D256
Tensile Strength @ Yield (50mm/minute)	30 MPa	ASTM D638
Flexural Modulus (1.27mm/minute)	2,300 MPa	ASTM D790
Deflection Temperature @ 264 psi	70°C	ASTM D648

ISO Testing

Notched Izod Impact @ 23°C	4 kJ/m ²	ISO 180/1B
Notched Charpy Impact @ 23°C	2 kJ/m ²	ISO 179
Tensile Strength @ Yield (5mm/minute)	29 MPa	ISO 527
Tensile Elongation @ Yield (5mm/minute)	9%	ISO 527
Tensile Strength @ Yield (50mm/minute)	31 MPa	ISO 527
Flexural Modulus (2mm/minute)	2,400 MPa	ISO 178
Deflection Temperature @ 1820 KPa (Annealed)	94°C	ISO 75
Deflection Temperature @ 1820 KPa (Flatwise)	69°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.