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PRC25MG3-Black

A 30% mica and glass fiber-reinforced polypropylene homopolymer with recycle content.

TYPICAL APPLICATIONS:

HVAC units, fan shrouds, and other structural automotive components.

Product Description:

Properties shown below for this filled blend are typical for a 30% mica and glass fiber reinforced polypropylene homopolymer. This product satisfies many application needs. Special compounds are available.

Approved To: WSS-M4D941-A1

VAM-PP0000103 App 001, 002

VAM-PP0000103 App 003

MS-DB 500 CPN 4518

WRS-M4D941-B1

Features and Options:

- Heat stabilized for extended use at high temperatures.
- High heat deflection temperature.
- 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	5 g/10 min	ISO 1133
Filler Content	30%	ISO 3451
Density	1.13 g/cm ³	ISO 1183
Notched Izod Impact @ 23°C	6 kJ/m ²	ISO 180
Notched Izod Impact @ -40°C	4.5 kJ/m ²	ISO 180
Notched Charpy Impact @ 23°C	6.5 kJ/m ²	ISO 179
Notched Charpy Impact @ -40°C	4.5 kJ/m ²	ISO 179
Tensile Strength @ Yield (50mm/minute)	70 MPa	ISO 527
Tensile Elongation @ Break (50mm/minute)	7%	ISO 527
Tensile Strength @ Yield (5mm/minute)	62 MPa	ISO 527
Tensile Modulus (1mm/minute)	5,700 MPa	ISO 527
Flexural Modulus (2mm/minute)	4,700 MPa	ISO 178
Deflection Temperature @ 1820 KPa 455 KPa	142°C 157°C	ISO 75
Deflection Temperature @ 1820 KPa (Flatwise)	133°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.