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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.

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.

Approved To: WSS-M4D941-A1

VAM-PP0000103 App 001, 002

VAM-PP0000103 App 003

MS-DB 500 CPN 4518

| Physical Properties | Typical Values* | Test Method |
|--|------------------------|-------------|
| Melt Flow | 5 g/10 min | ISO 1133 |
| Filler Content | 30% | ISO 3451 |
| Density | 1.12 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 | 7 kJ/m ² | ISO 179 |
| Tensile Strength @ Yield (50mm/minute) | 70 MPa | ISO 527 |
| Tensile Elongation @ Break (50mm/minute) | 8% | ISO 527 |
| Tensile Strength @ Yield (5mm/minute) | 64 MPa | ISO 527 |
| Flexural Modulus (2mm/minute) | 5,200 MPa | ISO 178 |
| Deflection Temperature @ 1820 KPa 455 KPa | 142°C 157°C | ISO 75 |
| Deflection Temperature @ 1820 KPa (Flatwise) | 139°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.