

PRC25MG4-Black

A 40% mica-glass reinforced polypropylene homopolymer

TYPICAL APPLICATIONS:

Various

Product Description:

The properties shown below for this filled blend are typical for a 40% mica and glass fiber reinforced polypropylene homopolymer. This product satisfies many application needs. Special compounds are available.

Approved To: WRS-M4D941-B2

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 $50 \pm 10\%$ relative humidity unless otherwise noted.

Physical Properties	Typical Values*	Test Method
Melt Flow	10 g/10min	ISO 1133
Filler Content	40%	ISO 3451
Density	1.23 g/cm ³	ISO 1183
Notched Charpy Impact @ 23°C	7 kJ/m ²	ISO 179
Notched Charpy Impact @ -40°C	5.5 kJ/m ²	ISO 179
Tensile Strength @ Yield (50mm/minute)	82 MPa	ISO 527
Tensile Elongation @ Break (50mm/minute)	2%	ISO 527
Flexural Modulus (2mm/minute)	6,900 MPa	ISO 179
Deflection Temperature @ 1820 KPa	143°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.