

WPP PP PPH2CF2-Black

Washington Penn Plastic Co. Inc. - Polypropylene Homopolymer

Wednesday, October 9, 2019

General Information

Product Description

Properties shown below for this compound are typical for a calcium-filled polypropylene homopolymer. This product satisfies many application needs. Special compounds are available to meet application requirements

General

| | | | |
|------------------------|---|-----------------------------|-----------------|
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East • Asia Pacific | • Europe • Latin America | • North America |
| Filler / Reinforcement | • Calcium Carbonate, 20% Filler by Weight | | |
| Features | • Good Processability | • Homopolymer | |
| Uses | • Consumer Applications | • Industrial Applications | |
| Appearance | • Black | • Colors Available | |
| Forms | • Pellets | | |

ASTM & ISO Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|-------------------|-------------|
| Density / Specific Gravity | 1.04 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 5.0 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ² (Yield) | 26.0 | MPa | ASTM D638 |
| Tensile Elongation ³ (Break) | 490 | % | ASTM D638 |
| Flexural Modulus ⁴ | 1400 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 110 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load 0.45 MPa, Unannealed | 97.0 | °C | ASTM D648 |
| Deflection Temperature Under Load 1.8 MPa, Unannealed | 59.0 | °C | ASTM D648 |

Additional Information

Tested at 23 ± 2°C (73.4 ± 3.6°F) and 50 ± 5% relative humidity unless otherwise noted.

Notes

¹ Typical properties: these are not to be construed as specifications.

² 51 mm/min

³ 50 mm/min

⁴ 1.3 mm/min