



WPP PP PPH5TF2.4-Black

Washington Penn Plastic Co. Inc. - Polypropylene Homopolymer

Wednesday, October 9, 2019

General Information

General

| | | | |
|------------------------|------------------------------------------|-----------------------------------------|-----------------|
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East • Asia Pacific | • Europe • Latin America | • North America |
| Filler / Reinforcement | • Talc, 24% Filler by Weight | | |
| Features | • Heat Aging Resistant • High Flow | • Homopolymer • Ultra High Toughness | |
| Uses | • Automotive Interior Parts | • Automotive Interior Trim | |
| Appearance | • Black | • Colors Available | |

ASTM & ISO Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---------------------------------------------------|---------------|-------------------|-------------|
| Density | 1.08 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 16 | g/10 min | ISO 1133 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Yield) | 32.0 | MPa | ISO 527-2/5 |
| Tensile Strain (Yield) | 8.0 | % | ISO 527-2/5 |
| Flexural Modulus ² | 3000 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact Strength (23°C) | 4.0 | kJ/m ² | ISO 180 |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 99.0 | °C | ISO 75-2/A |

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 2.0 mm/min