



# WPP PP PPC3GF2.5-Black

Washington Penn Plastic Co. Inc. - Polypropylene Impact Copolymer

Friday, September 20, 2019

## General Information

### General

|                        |  |                             |                    |
|------------------------|--|-----------------------------|--------------------|
| Material Status        | • Commercial: Active                     |                             |                    |
| Availability           | • Africa & Middle East<br>• Asia Pacific | • Europe<br>• Latin America | • North America    |
| Filler / Reinforcement | • Glass Fiber, 25% Filler by Weight      |                             |                    |
| Features               | • High Impact Resistance                 | • High Stiffness            | • Impact Copolymer |
| Appearance             | • Black                                  | • Colors Available          |                    |
| Forms                  | • Pellets                                |                             |                    |

## ASTM & ISO Properties <sup>1</sup>

| Physical  | Nominal Value | Unit              | Test Method |
|---|---------------|-------------------|-------------|
| Density / Specific Gravity                                | 1.09          | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)                 | 8.0           | g/10 min          | ASTM D1238  |
| Mechanical  | Nominal Value | Unit              | Test Method |
| Tensile Strength (Yield)                                  | 57.9          | MPa               | ASTM D638   |
| Flexural Modulus - 1% Secant                              | 3690          | MPa               | ASTM D790   |
| Impact  | Nominal Value | Unit              | Test Method |
| Notched Izod Impact (23°C)                                | 130           | J/m               | ASTM D256   |
| Thermal   | Nominal Value | Unit              | Test Method |
| Deflection Temperature Under Load<br>0.45 MPa, Unannealed | 152           | °C                | ASTM D648   |
| Deflection Temperature Under Load<br>1.8 MPa, Unannealed  | 121           | °C                | ASTM D648   |

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.