

**Washington Penn Plastic Co., Inc.**

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TPO-2505 P Black

A mineral-filled paintable thermoplastic Compound

TYPICAL APPLICATIONS:

Various Automotive Applications.

Product Description:

Properties shown below are typical for a mineral filled thermoplastic olefin alloy. Additional products are offered with properties tailored for specific applications. Custom colors, and UV tolerant grades are also available.

Approved to: GMW15740 (GMP.E/P.152)

Features and Options:

- 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.
- Medium Melt Flow
- Very Good Practical Toughness
- Excellent Balance of Impact Strength and Stiffness
- Paintable

Physical Properties	Typical Values*	Test Method
Melt Flow	20 g/10 min	ISO 1133
Filler Content	35%	ISO 3451
Density	1.16 g/cm ³	ISO 1183
Notched Izod Impact @ -30°C	4 kJ/m ²	ISO 180
Notched Charpy Impact @ -30°C	4 kJ/m ²	ISO 179
Tensile Strength @ Yield (50mm/minute)	20 MPa	ISO 527
Tensile Modulus (1mm/minute)	2,500 MPa	ISO 527
Flexural Modulus (2mm/minute)	2,200 MPa	ISO 178
Vicat Softening – 50N Load	55°C	ASTM D1525
Multiaxial Impact @ 23°C	18 J	ASTM D3763
Multiaxial Impact @ -10°C	18 J	ASTM D3763
Multiaxial Impact @ -10°C	17 J	ISO 6603

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.