WPP TPO TPO-3975 UVP 848 GLM

Washington Penn Plastic Co. Inc. - Compounded Polypropylene

General Information

Product Description

Properties shown below are typical for a 20% mineral filled thermoplastic olefin alloy. Additional products are offered with properties tailored for specific applications.

TYPICAL APPLICATIONS:

Exterior fully-painted applications such as bumper fascias, rockers, bodysides and fascia accents.

Features and Options:

- Tested at 23 ± 2°C (73.4 ± 3.6°F) and 50 ± 5% relative humidity unless otherwise noted. Excellent balance of impact strength and rigidity.
- Very good ductility and practical toughness.
- UV Stabilized
- Paintable Compound

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Mineral, 20% Filler by Weight		
Additive	• UV Stabilizer		
Features	• Ductile • Good Toughness • Good Weather Resistance	• High Flow • High Impact Resistance • High Rigidity	• Paintable • UV Resistant
Uses	• Automotive Applications • Automotive Bumper	• Automotive Interior Parts • Fascias	
Appearance	• Colors Available		
Forms	• Pellets		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)	24	g/10 min	ISO 1133

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	15.0	MPa	ISO 527-2/50
Flexural Modulus [2]	1700	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-30°C	7.0	kJ/m²	
23°C	54	kJ/m²	
Multi-Axial Instrumented Impact Energy			ASTM D3763
-30°C	20.0	J	
23°C [3]	17.0	J	

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	52.0	°C	