

WPP TPO TPO-185 Black

Compounded Polypropylene
Washington Penn Plastic Co. Inc.

Message:

WPP TPO TPO-185 Black is a composite polypropylene product. It can be processed by extrusion and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Typical application areas are: automotive industry.

Features include:

- high liquidity
- Hard
- Good toughness
- Impact resistance
- soft

General Information			
Features	Rigidity, high		
	Impact resistance, high		
	High liquidity		
	Good toughness		
	ductility		
Uses	Application in Automobile Field		
Appearance	Black		
	Available colors		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.888	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.50	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A, 10 seconds	94		ASTM D2240
Shaw D	49		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Fracture ¹	14.0	MPa	ASTM D638
Fracture ²	20.0	MPa	ASTM D638
Tensile Elongation			ASTM D638
Fracture ³	700	%	ASTM D638
Fracture ⁴	800	%	ASTM D638
Flexural Modulus ⁵	250	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ⁶	94.6	kN/m	ASTM D624

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	No Break		ASTM D256
23°C	No Break		ASTM D256

Additional Information

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

NOTE

- | | |
|----|------------|
| 1. | 50 mm/min |
| 2. | 51 mm/min |
| 3. | 50 mm/min |
| 4. | 51 mm/min |
| 5. | 1.3 mm/min |
| 6. | 51 mm/min |

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