

WPP TPO TPO-2471 Black

Compounded Polypropylene
Washington Penn Plastic Co. Inc.

Message:

WPP TPO TPO-2471 Black is a composite polypropylene product. It is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Typical application areas are: automotive industry.
Features include:
Hard
Good toughness
Impact resistance
soft

General Information			
Features	Impact resistance, good		
	Medium liquidity		
	Good toughness		
	ductility		
	Medium hardness		
Uses	Application in Automobile Field		
Appearance	Black		
	Available colors		
Forms	Particle		
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)	0.60	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	22.0	MPa	ASTM D638
Tensile Elongation ² (Yield)	500	%	ASTM D638
Flexural Modulus - Tangent ³	550	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Instrumented Dart Impact ⁴ (-30°C)	24.0	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Linear thermal expansion coefficient			ASTM E831
Flow	5.9E-5	cm/cm/°C	ASTM E831
Lateral	2.2E-4	cm/cm/°C	ASTM E831
Additional Information			
Tensile Elongation at Yield, ASTM D638, 50mm/min: >500%			
Injection	Nominal Value	Unit	
Suggested Max Regrind	20	%	

Processing (Melt) Temp	207 - 221	°C
Mold Temperature	10.0 - 48.9	°C
Injection Rate	Slow-Moderate	
Clamp Tonnage	2.8 - 5.5	kN/cm ²

Injection instructions

Moderate to high injection pressure is recommended.

NOTE

1.	50 mm/min
2.	50 mm/min
3.	1.3 mm/min
4.	2.20 m/sec

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