

WPP TPO TPO-257

Compounded Polypropylene
Washington Penn Plastic Co. Inc.

Message:

This TPO compound has been tailored specifically to meet the requirements of each of the major automobile producers. Features include good scuff, nick and wear resistance and also very good ductility and practical toughness. This compound also features medium flow and an excellent balance of impact strength and rigidity. Typical applications include air dams, facias, cladding, and other various automotive applications.

General Information			
Features	Rigidity, high		
	Impact resistance, good		
	Medium liquidity		
	Scratch resistance		
	Good wear resistance		
	Good toughness		
	ductility		
Uses	Application in Automobile Field		
Appearance	Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	9.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.2	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	20.7	MPa	ASTM D638
Tensile Elongation ² (Break)	500	%	ASTM D638
Flexural Modulus - Tangent ³	938	MPa	ASTM D790
Flexural Strength ⁴	26.9	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	114	kN/m	ASTM D624
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (21°C)	560	J/m	ASTM D256
Instrumented Dart Impact (-30°C)	27.1	J	ASTM D3763
Dart Drop Impact (-30°C)	27.1	J	ASTM D3029
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.	51 mm/min	
2.	51 mm/min	
3.	13 mm/min	
4.	13 mm/min	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

