

# Trexpene® A67CW

Thermoplastic Vulcanizate

Mitsubishi Chemical Performance Polymers, Inc.

## Message:

Product Description: TREXPENE® A67CW is a pre-colored, heat and UV stabilized PP/EPDM based Thermoplastic Vulcanized Elastomer (TPV). It is primarily intended for Exterior applications where a pre-colored compound with good compressions set and UV properties are needed. This pre-colored material can be processed using Extrusion, Injection, or Blow Molding equipment.

General Information	
Additive	Heat Stabilizer UV Stabilizer
Features	Good UV Resistance Heat Stabilized
Uses	Automotive Exterior Parts
Appearance	Unspecified Color
Forms	Pellets
Processing Method	Blow Molding Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.930 to 1.01	g/cm <sup>3</sup>	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 15 sec)	62 to 70		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress - Across Flow <sup>1</sup> (100% Strain)	2.50	MPa	ISO 37
Tensile Stress - Across Flow <sup>2</sup> (Yield)	7.10	MPa	ISO 37
Tensile Elongation - Across Flow <sup>3</sup> (Break)	630	%	ISO 37
Tear Strength - Across Flow <sup>4</sup>	34	kN/m	ISO 34-1
Compression Set			
125°C, 70 hr	44	%	ASTM D395B
125°C, 70 hr <sup>5</sup>	44	%	ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (135°C, 1000 hr)	-17	%	ISO 188
Change in Tensile Strain at Break in Air (135°C, 1000 hr)	-13	%	ISO 188
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature			

--	-56.0	°C	ASTM D746
Type B	-56.0	°C	ISO 812
Additional Information	Nominal Value	Test Method	
Accelerated Weathering Duration <sup>6</sup>	Delta E < 3	SAE J2527	
Ozone Resistance <sup>7</sup> (40°C)	0 Rating	ISO 1431-1	

**NOTE**

- |    |   |
|----|---|
| 1. | Type 1, 500 mm/min                          |
| 2. | Type 1, 500 mm/min                          |
| 3. | Type 1, 500 mm/min                          |
| 4. | Method Ba, Angle (Unnicked), 500 mm/min     |
| 5. | Type A                                      |
| 6. | Extended UV Filters, 2500 kJ/m <sup>2</sup> |
| 7. | 100 pphm, Method A                          |

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**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

