

Trexprene® A88CW

Thermoplastic Vulcanizate

Mitsubishi Chemical Performance Polymers, Inc.

Message:

Product Description: TREXPENE ® A88CW is a heat and UV stabilized PP/EPDM based Thermoplastic Vulcanized Elastomer (TPV) and is primarily intended for Exterior applications. This 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
Forms	Pellets
Processing Method	Blow Molding Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.940 to 1.00	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 5 sec)	84 to 92		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹			ISO 37
Across Flow : 100% Strain	5.60	MPa	
Flow : 100% Strain	6.00	MPa	
Tensile Stress ²			ISO 37
Across Flow : Yield	13.1	MPa	
Flow : Yield	9.00	MPa	
Tensile Elongation ³			ISO 37
Across Flow : Break	> 490	%	
Flow : Break	> 350	%	
Tear Strength ⁴			ISO 34-1
Across Flow	45	kN/m	
Flow	45	kN/m	
Compression Set			
125°C, 70 hr	< 80	%	ASTM D395B
125°C, 70 hr ⁵	< 80	%	ISO 815

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature			
--	-52.0	°C	ASTM D746
Type B	-52.0	°C	ISO 812
Flammability	Nominal Value	Unit	Test Method
Burning Rate	35	mm/min	FMVSS 302
Additional Information	Nominal Value		Test Method
Accelerated Weathering Duration ⁶	Delta E < 3		SAE J2527
Color Fastness - to Light ⁷	No Objectionable Defects		SAE J1885
Ozone Resistance ⁸ (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 ²		
7.	Xenon Arc 1240.8kJ/m ²		
8.	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

