

Trexprene® A88BW-HF

Thermoplastic Vulcanizate

Mitsubishi Chemical Performance Polymers, Inc.

Message:

Product Description: TREXPENE ® A88BW-HF is a heat and UV stabilized PP/EPDM based Thermoplastic Vulcanized Elastomer (TPV). This high flow, black compound is intended primarily for injection molding applications where longer flow distances and good surface appearance is needed. The material has excellent UV resistance and good elastic properties.

General Information			
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Good Surface Finish		
	Good UV Resistance		
	Heat Stabilized		
	High Elasticity		
	High Flow		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.920 to 0.980	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 15 sec)	85 to 91		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress - Across Flow ¹ (100% Strain)	7.10	MPa	ISO 37
Tensile Stress - Across Flow ² (Yield)	14.4	MPa	ISO 37
Tensile Elongation - Across Flow ³ (Break)	690	%	ISO 37
Tear Strength - Across Flow ⁴	65	kN/m	ISO 34-1
Compression Set			
70°C, 22 hr	50	%	ASTM D395B
125°C, 70 hr	70	%	ASTM D395B
70°C, 22 hr ⁵	50	%	ISO 815
125°C, 70 hr ⁶	70	%	ISO 815
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature			
--	-50.0	°C	ASTM D746
Type B	-50.0	°C	ISO 812
Flammability	Nominal Value	Unit	Test Method
Burning Rate	15	mm/min	ISO 3795

Additional Information	Nominal Value	Test Method
Accelerated Weathering Duration ⁷	Delta E < 3	SAE J2527
Ozone Resistance (40°C) ⁸	0 Rating	ISO 1431-1
Weatherability ⁹		SAE J1976
Arizona	Delta E < 3	
Florida	Delta E < 3	

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.	Type A	
7.	Extended UV Filters, 2500 kJ/m ²	
8.	100 pphm, Method A	
9.	2 years exposure, Procedure A	

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