

Trexprene® A70NI-HF

Thermoplastic Vulcanizate

Mitsubishi Chemical Performance Polymers, Inc.

Message:

Product Description: TREXPENE® A70NI-HF is a heat stabilized and UV Stabilized PP/EPDM based Thermoplastic Vulcanized Elastomer (TPV). This high flow, natural compound is intended primarily for injection molding applications where longer flow distances and good surface appearance is needed. The material is primarily for interior applications. This material can be processed using Injection Molding, Extrusion, Blow Molding or other melt processing techniques.

General Information	
Additive	Heat Stabilizer UV Stabilizer
Features	Good Surface Finish Good UV Resistance Heat Stabilized High Flow
Uses	Automotive Interior Parts
Appearance	Natural Color
Forms	Pellets
Processing Method	Blow Molding Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.910 to 0.990	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 15 sec)	70 to 78		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹			ISO 37
Across Flow : 100% Strain	2.80	MPa	
Flow : 100% Strain	3.60	MPa	
Tensile Stress ²			ISO 37
Across Flow : Break	5.50	MPa	
Flow : Break	5.70	MPa	
Tensile Elongation ³			ISO 37
Across Flow : Break	620	%	
Flow : Break	510	%	
Tear Strength ⁴			ISO 34-1
Across Flow	27	kN/m	

Flow	28	kN/m	
Compression Set			
70°C, 24 hr	33	%	ASTM D395B
70°C, 24 hr ⁵	33	%	ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (110°C, 1000 hr)	-1.0	%	ISO 188
Change in Tensile Strain at Break in Air (110°C, 1000 hr)	-10	%	ISO 188
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature			
--	-53.0	°C	ASTM D746
Type B	-53.0	°C	ISO 812
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 19	mm/min	ISO 3795
Fogging - Dry Fog	86	%	SAE J1756
Odor Rating ⁶	> 7.00		
Ozone Resistance ⁷ (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.	GMW3205 Code B		
7.	100 pphm, Method A		

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



WECHAT