

Trexprene® A75SCI-HF

Thermoplastic Vulcanizate

Mitsubishi Chemical Performance Polymers, Inc.

Message:

Product Description: TREXPENE ® A75SCI-HF is a heat stabilized PP/EPDM based Thermoplastic Vulcanized Elastomer (TPV) which contains a lubricant/slip package for lower co-efficient of friction and anti-wear properties versus normal TPV's. This compound is formulated in pre-color form primarily for underhood or interior applications. This material can be processed using Injection Molding, Extrusion, Blow Molding or other melt processing techniques.

General Information	
Additive	Heat Stabilizer Lubricant Slip
Features	Good Wear Resistance Heat Stabilized Low Friction Lubricated Slip
Uses	Automotive Interior Parts Automotive Under the Hood
Appearance	Unspecified Color
Forms	Pellets
Processing Method	Blow Molding Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.880 to 0.940	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 15 sec)	74 to 82		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Wear Resistance ¹	No appreciable loss of grain, texture or color		ASTM D3844
Fogging - Dry Fog	79	%	SAE J1756
Color Fastness - to Light ²	Delta E < 3		
Linting ³	Rating less than 2		
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress - Across Flow ⁴ (100% Strain)	3.20	MPa	ISO 37
Tensile Stress - Across Flow ⁵ (Break)	7.00	MPa	ISO 37

Tensile Elongation - Across Flow ⁶ (Break)	690	%	ISO 37
Tear Strength - Across Flow ⁷	41	kN/m	ISO 34-1
Compression Set			
23°C, 22 hr	< 37	%	ASTM D395B
100°C, 70 hr	< 49	%	ASTM D395B
23°C, 22 hr ⁸	< 37	%	ISO 815
100°C, 70 hr ⁹	< 49	%	ISO 815
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature			
--	< -54.0	°C	ASTM D746
Type B	< -54.0	°C	ISO 812
Flammability	Nominal Value	Unit	Test Method
Burning Rate	19	mm/min	ISO 3795
NOTE			

1.	1000 cycles CS10 Wheel (500 g load)
2.	SAE J2412, ISO 105-B06, Cond. 5, 1,240.8 kJ/m ²
3.	LP-463KB-37-01, Method A
4.	Type 1, 500 mm/min
5.	Type 1, 500 mm/min
6.	Type 1, 500 mm/min
7.	Method Ba, Angle (Unnicked), 500 mm/min
8.	Type A
9.	Type A

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