

Product Data Sheet
TREXPENE® A88SCI-HF
 PP/EPDM Based Vulcanized TPR

Product Description: **TREXPENE®** A88SCI-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 under-hood or interior applications. This material can be processed using Injection Molding, Extrusion, Blow Molding or other melt processing techniques.

Property	Test Method	Unit	Typical Values
Hardness	ISO 868	Shore A (15 second delay)	86±4
Density	ISO 1183	g/cm ³	0.90±0.03
Tensile Stress at Break, perpendicular to flow	ISO 37, Type 1, 500mm/min	MPa	10.2
Tensile Stress at 100%, perpendicular to flow	ISO 37, Type 1, 500mm/min	MPa	5.9
Ultimate Elongation, perpendicular to flow	ISO 37, Type 1, 500mm/min	MPa	670
Tear Strength, perpendicular to flow	ISO 34-1, Method B, 500 mm/min	kN/m	42.0
Compression Set at 70°C/22hrs	ASTM D395-B, ISO 815-A	%	47
Brittle Temperature	ASTM D746, ISO 812B	°C	-51
Wear Resistance	ASTM D3844 1000 cycles CS10 Wheel (500 g load)	Visual Appearance	No appreciable loss of grain, texture or color
Linting	LP-463KB-37-01, Method A	Rating 2 or less	Rating less than 2
Fogging Number, Photometric	SAE J1756, GMW3236	% Reflectance	79, Dry Fog
Colorfastness to Light	SAE J2412, ISO 105-B06, Cond. 5 1,240.8 kJ/m ²	Change in Color Visual Defects	ΔE < 3.0 No Objectionable defects

Colorfastness to Burnt Gas	ISO 105-G02, AATCC TM 23, 168 h @ 60°C,	Change in color Yellowness Index AATCC Rating 4	$\Delta E < 3.0$ $\Delta YI < 2.0$ AATCC Rating > 4
Flammability / Burn rate	FMVSS 302, GMW3232 ISO 3795	mm/min	32.0