

Product Data Sheet
TREXPENE® A75SCI-HF
 PP/EPDM Based Vulcanized TPR

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.

Property	Test Method	Unit	Typical Values
Hardness	ISO 868	Shore A (15 second delay)	78±4
Density	ISO 1183	g/cm ³	0.91±0.03
Tensile Stress at Break	ISO 37, Type 1, 500mm/min	MPa ⊥	7.0
Tensile Stress at 100%,	ISO 37, Type 1, 500mm/min	MPa ⊥	3.2
Ultimate Elongation	ISO 37, Type 1, 500mm/min	MPa ⊥	690
Tear Strength	ISO 34-1, Method B, 500 mm/min	kN/m ⊥	41.2
Compression Set at 23°C/22hrs 100°C/70hrs	ASTM D395-B, ISO 815-A	Maximum %	37 49
Brittle Temperature	ASTM D746, ISO 812B	°C Maximum	-54
Wear Resistance	ASTM D3844 100 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	$\Delta E < 3.0$ No Objectionable defects
Flammability / Burn rate	FMVSS 302, GMW3232 ISO 3795	mm/min	18.8

