

Product Data Sheet

TREXPENE® A65SCI

PP/EPDM Based Vulcanized TPR

Product Description: TREXPENE® A65SCI 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 sec. delay	64±4
Density	ISO 1183	g/cm ³	0.92±0.03
Tensile Strength, parallel to flow	ISO 37, Type 1, 500mm/min	MPa ⊥ //	5.7 4.5
Tensile Stress at 100%,	ISO 37, Type 1, 500mm/min	MPa ⊥ //	2.3 3.9
Ultimate Elongation,	ISO 37, Type 1, 500mm/min	% ⊥ //	720 250
Tear Strength,	ISO 34-1, Method B, 500 mm/min	N/mm ⊥ //	27.4 23.8
Compression Set at 125°C/70hrs	ASTM D395-B, ISO 815-A	%	414
Brittle Temperature	ASTM D746, ISO 812B	°C	-56
Long Term Heat Aging Performance	1000 h @ 135°C followed by ISO 37	% Tensile Retention % Elongation Retention	105 98
Ozone Resistance	ISO 1431-1, "A" 100pphm, 40°C	Rating	0
Colorfastness to Light	Filtered Xenon per SAE J2412, 1240.8 kJ/m ²	Change in Color Visual Defects	ΔE < 3.0 No Objectionable defects
Flammability / Burn rate	FMVSS 302, GMW3232 ISO 3795	mm/min	25.3