

Product Data Sheet

TREXPENE® A70SCI

PP/EPDM Based Vulcanized TPR

Product Description: TREXPENE® A70SCI 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	69±5
Density	ISO 1183	g/cm ³	0.99±0.05
Tensile Strength, parallel to	ISO 37, Type 1, 500mm/min	Minimum MPa ⊥ //	5.7 4.5
Tensile Stress at 100%,	ISO 37, Type 1, 500mm/min	Minimum MPa ⊥ //	2.3 3.9
Ultimate Elongation,	ISO 37, Type 1, 500mm/min	Minimum % ⊥ //	720 250
Tear Strength,	ISO 34-1, Method B, 500 mm/min	Minimum N/mm ⊥ //	27.4 23.8
Compression Set at 125°C/70hrs 70°C/22hrs	ASTM D395-B, ISO 815-A	Maximum %	26.3 45.5

Brittle Temperature	ASTM D746, ISO 812B	°C Maximum	-50
Long Term Heat Aging Performance	1000 h @ 125°C followed by applicable test method	Hardness Change % Tensile Change % Elongation Change	+0.7 +21 +26
Ozone Resistance	ISO 1431-1, "A" 100pphm, 40°C	Rating	0
Colorfastness to Light	Xenon per SAE J2412, 1240.8 kJ/m ²	Change in Color Visual Defects	AATCC Rating > 3 No Objectionable defects
Flammability / Burn rate	FMVSS 302, GMW3232 ISO 3795	mm/min. maximum	20.4