

Product Data Sheet
TREXPENE® A55SCI
 PP/EPDM Based Vulcanized TPR

Product Description: TREXPENE® A55SCI is a heat and UV stabilized PP/EPDM based Thermoplastic Vulcanized Elastomer (TPV). This grade also contains a "Slip Additive" for improved scratch/mar resistance and anti-wear properties. This material is available as a custom pre-colored compound and is intended primarily for interior trim applications. This compound 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 Inst. 5 s. 15 s.	65±3 62±3 58 ±3
Density	ISO 1183	g/cm ³	0.94±0.03
Tensile Strength,	ISO 37, Type 1, 500mm/min	MPa ⊥ //	4.9 4.2
Tensile Stress at 100%,	ISO 37, Type 1, 500mm/min	MPa ⊥ //	1.9 3.5
Ultimate Elongation,	ISO 37, Type 1, 500mm/min	% ⊥ //	560 250
Tear Strength,	ISO 34-1, Method B, 500 mm/min	N/mm ⊥ //	23.4 19.1
Compression Set at 125°C/70hrs	ASTM D395-B, ISO 815-A	%	43.5
Brittle Temperature	ASTM D746, ISO 812B	°C	-50
Long Term Heat Aging Performance	1000 h @ 125°C followed by ISO 37	Hardness Change % Tensile Change % Elongation Change	+3 +17 -20
Ozone Resistance	ISO 1431-1, "A" 100pphm, 40°C	Rating	0
Accelerated Weathering	Filtered Xenon per FLTM BO 116-01, 2481.6 kJ/m ²	AATCC Rating Visual Defects	AATCC > 4 No Objectionable defects
Flammability / Burn rate	FMVSS 302, GMW3232 ISO 3795	mm/min	18.9