

Product Data Sheet

TREXPENE® A88NU-HF

PP/EPDM Based Vulcanized TPR

Product Description: TREXPENE® A88NU-HF is a natural heat stabilized PP/EPDM based Thermoplastic Vulcanized Elastomer (TPV). This material can be processed using Extrusion, Injection, Blow Molding equipment, or other melt processing.

Property	Test Method	Unit	Typical Values
Hardness	ISO 868	Shore A (15 second delay)	88±3
Density	ISO 1183	g/cm ³	0.93±0.03
Tensile Stress at Break	ISO 37, Type 1, dumbbell, 500mm/min	MPa	7.5
Tensile Stress at 100%,	ISO 37, Type 1, dumbbell, 500mm/min	MPa	5.0
Elongation	ISO 37, Type 1, dumbbell, 500mm/min	%	540
Tear Strength	ISO 34-1, Method B, Angle Die, 500 mm/min	kN/m	35.6
Compression Set at 125°C	ISO 815, Type A	%	51%
Low Temperature Brittleness	ISO 812, Type B	%	-51
Heat Aging Performance	1000 h @ 135°C followed by ISO 37, Type 1, dumbbell, 500 mm/min	% Retention	96.9
Fogging Number	SAE J1756, 6 h @ 102°C Heating, 38°C Cooling, 16 h recovery	%	86.4 Dry Fog
Accelerated Weathering	1,240.8 kJ/m ² per ISO 105-B06, Condition 5, Rotating Rack 1 rpm	ΔE <3.0 No objectional defects allowed	ΔE = 1.02 No Objectional Defects Observed
Flammability	GMW3232	≤ 100 mm/min	20.0