

Product Data Sheet
TREXPENE® A88CW
 PP/EPDM Based Vulcanized TPR

Product Description: TREXPENE® A88CW is a heat and UV stabilized PP/EPDM based Thermoplastic Vulcanized Elastomer (TPV) and is primarily intended for Exterior applications. This material can be processed using Extrusion, Injection, or Blow Molding equipment.

Property	Test Method	Unit	Typical Values
Hardness	ISO 868	Shore A (5 second delay)	88±4
Density	ISO 1183-1	-	0.97±0.03 typically .95
Tensile Strength	ISO 37, Type 1, 500mm/min	MPa ⊥ //	13.1 9.0
Tensile Stress at 100%,	ISO 37, Type 1, 500mm/min	MPa ⊥ //	5.6 6.0
Ultimate Elongation, perpendicular to flow	ISO 37, Type 1, 500mm/min	% minimum ⊥ //	490 350
Tear Strength, perpendicular to flow	ISO 34-1, Method B, 500 mm/min	N/mm ⊥ //	45 45
Compression Set at 125°C/70HRS	ASTM D395-B, ISO 815-A	% max	80
Brittle Temperature	ASTM D746, ISO 812B	°C nominal	-52
Flammability	FMVSS 302	Mm/minute	35
Ozone Resistance	ISO 1431-1, "A" 100pphm, 40°C	Rating	0
Accelerated Weathering	SAE J2527, Extended UV Filters, 2500 kJ/m²	Change in Color Visual Defects	ΔE < 3.0 No Objectionable defects
Colorfastness to Light Xenon Arc 1240.8kJ/m2	SAE J1885	Surface Defects	No Objectionable Defects