Product Data Sheet
TREXPRENE® A88BW-HF
PP/EPDM Based Vulcanized TPR

Product Description: TREXPRENE® A88BW-HF is a heat and UV stabilized PP/EPDM based Thermoplastic Vulcanized Elastomer (TPV). This high flow, black compound is intended primarily for injection molding applications where longer flow distances and good surface appearance is needed. The material has excellent UV resistance and good elastic properties.

Property	Test Method	Unit	Typical Values
Hardness	ISO 868	Shore A (15 second delay)	88±3
Density	ISO 1183	g/cm^3	0.95±0.03
Tensile Strength, perpendicular to flow	ISO 37, Type 1, 500mm/min	MPa	14.4 (2090 psi)
Tensile Stress at 100%, perpendicular to flow	ISO 37, Type 1, 500mm/min	MPa	7.1 (1030 psi)
Ultimate Elongation, perpendicular to flow	ISO 37, Type 1, 500mm/min	%	690
Tear Strength, perpendicular to flow	ISO 34-1, Method B, 500 mm/min	N/mm	65.0 (370 lbf)
Compression Set at 70°C/22hrs 125°C/70HRS	ASTM D395-B, ISO 815-A	%	 50 70
Brittle Temperature	ASTM D746, ISO 812B	°C	-50
Ozone Resistance	ISO 1431-1, "A" 100pphm, 40°C	Rating	0
Accelerated Weathering	SAE J2527, Extended UV Filters, 2500 kJ/m^2	Change in Color Visual Defects	ΔE < 3.0 No Objectionable defects
Natural Weathering, Arizona	2 years exposure per SAE J1976, Procedure A	Change in Color Visual Defects	ΔE < 3.0 No Objectionable defects
Natural Weathering, Florida	2 years exposure per SAE J1976, Procedure A	Change in Color Visual Defects	ΔE < 3.0 No Objectionable defects
Flammability / Burn rate	FMVSS 302, GMW3232 ISO 3795	mm/min	15.4