

Preliminary Product Data Sheet
TREXPENE® A80NI-HF
PP/EPDM Based Vulcanized TPR

Product Description: **TREXPENE®** A80NI-HF is a natural PP/EPDM based Thermoplastic Vulcanized Elastomer (TPV). The material has been formulated specifically for the sheet market and can be used as a master batch in TPO formulations or in its virgin state. The material contains no UV stabilizers as the intention is that this will be added by the processor with the desired color concentrate. The material is intended for applications where excellent gas-fade resistance or non-pinking is required. This material can be processed using Extrusion or Calendaring processes.

Property	Test Method	Unit	Typical Values
Hardness	ISO 868	Shore A (15 second delay)	82±3
Density	ISO 1183	g/cm ³	0.91±0.02
Tensile Stress at Break	ISO 37, Type 1, 500mm/min	MPa	7.1
Tensile Stress at 100%,	ISO 37, Type 1, 500mm/min	MPa	4.5
Ultimate Elongation	ISO 37, Type 1, 500mm/min	MPa	650
Tear Strength	ISO 34-1, Method B, 500 mm/min	kN/m	33.6
Brittle Temperature	ASTM D746, ISO 812B	°C Maximum	-56
Ozone Resistance	ISO 1431-1, "A" 100pphm, 40°C	Rating	0

