

Preliminary Product Data Sheet
TREXPENE® A50NI-HF
PP/EPDM Based Vulcanized TPR

Product Description: **TREXPENE®** A55NI-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) | 48±3 |
| Density | ISO 1183 | g/cm ³ | 0.92±0.02 |
| Tensile Stress at Break | ISO 37, Type 1, 500mm/min | MPa | 3.2 |
| Tensile Stress at 100%, | ISO 37, Type 1, 500mm/min | MPa | 1.1 |
| Ultimate Elongation | ISO 37, Type 1, 500mm/min | MPa | 428 |
| Tear Strength | ISO 34-1, Method B, 500 mm/min | kN/m | 17 |
| Brittle Temperature | ASTM D746, ISO 812B | °C Maximum | -56 |
| Ozone Resistance | ISO 1431-1, "A" 100pphm, 40°C | Rating | 0 |
| Fogging Number, Photometric | SAE J1756, GMW3236 | % Reflectance | 80 |

