

Product Data Sheet

TREXPENE® A67CW

PP/EPDM Based Vulcanized TPR

Product Description: TREXPENE® A67CW is a pre-colored, heat and UV stabilized PP/EPDM based Thermoplastic Vulcanized Elastomer (TPV). It is primarily intended for Exterior applications where a pre-colored compound with good compressions set and UV properties are needed. This pre-colored material can be processed using Extrusion, Injection, or Blow Molding equipment.

| Property | Test Method | Unit | Typical Values |
|---|--|---|--------------------------------------|
| Hardness | ISO 868 | Shore A (15 second delay) | 66±4 |
| Density | ISO 1183 | g/cm ³ | 0.97±0.04 |
| Tensile Strength, perpendicular to flow | ISO 37, Type 1, 500mm/min | MPa | 7.1 (1030 psi) |
| Tensile Stress at 100%, perpendicular to flow | ISO 37, Type 1, 500mm/min | MPa | 2.5 (362 psi) |
| Ultimate Elongation, perpendicular to flow | ISO 37, Type 1, 500mm/min | % | 630 |
| Tear Strength, perpendicular to flow | ISO 34-1, Method B, 500 mm/min | N/mm | 34.2 (195 lbf) |
| Compression Set at 125°C/70HRS | ASTM D395-B, ISO 815-A | % | 44.1 |
| Brittle Temperature | ASTM D746, ISO 812B | °C | -56 |
| Heat Aging Performance | 1000 h @ 135°C followed by ISO 37 | % Retention Tensile % Retention Elongation | 82.7 87.2 |
| 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 |

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| Natural Weathering, Arizona | 2 years exposure per SAE J1976, Procedure A | Change in Color Visual Defects | $\Delta E < 3.0$ No Objectionable defects |
| Natural Weathering, Florida | 2 years exposure per SAE J1976, Procedure A | Change in Color Visual Defects | $\Delta E < 3.0$ No Objectionable defects |