

### Santoprene® TPV: The Smarter Alternative to EPDM

Santoprene® TPV delivers the elasticity and durability of EPDM rubber while offering the processing advantages of a thermoplastic. Manufacturers can achieve **up to 50% cost savings, faster cycle times, part weight reduction, reduce energy consumption, and improved operational efficiency** while maintaining weather/UV resistance, compression set, flexibility, and long-term sealing performance.

#### Why Choose Santoprene® Over EPDM?

- **Cost Savings:** Up to 50% cost savings
- **Thermoplastic Processing (No Vulcanization):** Enables faster, simpler production and in-process recyclability, unlike EPDM which cannot be reprocessed
- **Lower Energy & Shorter Cycles:** Less processing time leads to quicker production and reduced energy use
- **Lightweighting Potential:** Lower specific gravity than EPDM
- **Rubber-Like Performance:** Excellent compression set, weathering/ozone/UV resistance
- **Design & Integration:** Supports part consolidation, enhanced colorability and overmolding to various substrates

#### Driving Sustainability

- **Post-Consumer Recycle**
  - Santoprene® TPV ECO-R incorporates post-consumer recycle
  - Maintaining quality and lot-to-lot consistency
- **Easy to Recycle**
  - Santoprene® can be reprocessed where thermoset EPDM cannot
  - High level of regrind
  - In-house recycling
- **Lower CO2 Emissions**
  - Estimated up to 59% lower carbon footprint vs. EPDM in extruded seals
  - Rubber-like performance with up to 30% less material density
  - Weight reduction potential to reduce fuel consumption or increase EV range
  - CO2 footprint values available upon request

#### Engineered for Diverse Markets

Santoprene® TPV opens new possibilities for OEMs seeking a high-performance alternative to EPDM rubber. Its unique combination of rubber-like flexibility and thermoplastic processability enables **innovative designs, streamlined manufacturing, and improved sustainability** across diverse industries. From automotive to consumer products, Santoprene® TPV delivers durability and efficiency where traditional rubber falls short.



Building & Construction

Window & door seals, expansion joints, rail pads & plates, water stops



Industrial

Gaskets & grommets, seals, rollers, hose/tubing, casters



Automotive

Weather strips & seals, cooling hoses for EVs, fluid transfer systems, glass encapsulation systems