



Celanese Santoprene®TPV

EPDM Rubber Replacement

The Smarter Rubber Alternative

Santoprene®TPV delivers the elasticity and durability of EPDM rubber with all the performance and processing advantages of a thermoplastic.

Why Choose Santoprene® Over EPDM?

- Up to **50% cost savings**
- **Thermoplastic processing (no vulcanization)** enables faster, simpler production and in-process recyclability
- **Rubber-Like Performance**, with an excellent compression set, as well as weathering, ozone, and UV resistance
- **Shorter cycles and shorter extrusion lines** result in reduced energy use
- Up to **30% lower specific gravity than EPDM**, helping lightweight parts
- **Enables part consolidation**, leading to lower systems costs and less manufacturing complexity
- **Enhances colorability** and enables overmolding to various substrates

Driving Sustainability

- **TPV ECO-R Grades Use Post-Consumer Recycled (PCR) Material**
 - Prime-level quality with 20% and 30% recycled options
- **Offers Recyclability, Unlike EPDM**
 - Can use up to 30% of regrind in-house
- **Up to 59% Lower Carbon Footprint vs. EPDM in Extruded Seals**
 - Up to 30% lower density than EPDM
 - Weight reduction potential, increasing MPG and/or EV range
 - CO2 footprint values available upon request

Engineered for Diverse Markets

Santoprene® TPV offers a unique combination of flexibility and thermoplastic processability that enables innovative designs, streamlined manufacturing, and improved sustainability across 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

