

## ExxonMobil Santoprene® 9101-80E Thermoplastic Vulcanizate - Co-extrusion

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Vulcanizate Elastomer (TPV)

### Material Notes:

**Product Description:** A black thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material is designed for coextrusion applications, particularly for the static foot of automotive weatherseal systems like glass run channels. This grade of Santoprene TPV is shear-dependent and can be processed on conventional thermoplastics equipment for extrusion or thermoforming. It is polyolefin based and completely recyclable.  
**Key Features:** Recommended for coextruded applications not exposed to UV light. Recommended for applications requiring excellent ozone resistance. Designed for extruding long runs with minimal build-up of material on screen packs or narrow die sections.  
**Applications:** Automotive- Seals, Gaskets and Weather Seals  
**Processing Method:** Coextrusion and Thermoforming  
**Availability:** Africa & Middle East, Europe, North America, Asia Pacific, Latin America and South America  
Information provided by ExxonMobil Chemical.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Santoprene-9101-80E-Thermoplastic-Vulcanizate-Co-extrusion.php](http://www.lookpolymers.com/polymer_ExxonMobil-Santoprene-9101-80E-Thermoplastic-Vulcanizate-Co-extrusion.php)

| Physical Properties | Metric     | English    | Comments               |
|---------------------|------------|------------|------------------------|
| Specific Gravity    | 0.970 g/cc | 0.970 g/cc | ASTM D792 and ISO 1183 |

| Mechanical Properties     | Metric  | English  | Comments                             |
|---------------------------|---|--|--------------------------------------|
| Hardness, Shore A         | 80  | 80   | 2 mm; ISO 868                        |
| Tensile Strength at Break | 7.00 MPa  | 1020 psi                                       | Across Flow; ASTM D412 and ISO 37    |
| Tensile Stress            | 3.40 MPa<br>@Strain 100 %                       | 493 psi<br>@Strain 100 %                       | Across Flow; ASTM D412 and ISO 37    |
| Elongation at Break       | 670 %   | 670 %  | Across Flow; ASTM D412 and ISO 37    |
| Compression Set           | 48 %<br>@Temperature 70.0 °C,<br>Time 79200 sec | 48 %<br>@Temperature 158 °F,<br>Time 22.0 hour | ASTM D395B Type 1 and ISO 188 Type A |

| Processing Properties | Metric          | English        | Comments |
|-----------------------|-----------------|----------------|----------|
| Die Temperature       | 204 °C          | 400 °F         |          |
| Melt Temperature      | 177 - 204 °C    | 350 - 400 °F   |          |
| Drying Temperature    | 82.2 °C         | 180 °F         |          |
| Dry Time              | 3 hour          | 3 hour         |          |
| Back Pressure         | 5.00 - 20.0 MPa | 725 - 2900 psi |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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