

# SANTOPRENE® 121-79W233

## **SANTOPRENE®**

A soft, black thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material is specially formulated to bond to sulfur or peroxide-cured thermoset EPDM rubber for corner molding, end caps and special fixation applications. This grade of Santoprene® TPV is shear-dependent and can be processed on conventional thermoplastics equipment for injection molding. It is polyolefin based and recyclable within the manufacturing stream.

### **Key Features**

- Designed for applications requiring excellent adhesion to vulcanized EPDM rubber
- Specially formulated to replace thermoset EPDM rubber in automotive glass run channel corner molding applications
- Designed for shorter processing time compared to thermoset EPDM rubber

#### **Product information**

| Resin Identification Part Marking Code   | TPV<br>>TPV< |        | ISO 1043<br>ISO 11469   |
|--|--------------|--------|---|
| Typical mechanical properties  |              |        |   |
| Tensile stress at 100% elongation, perpendicular<br>Stress at break, perpendicular<br>Elongation at break, perpendicular<br>Brittleness Temperature<br>Shore A hardness, 15s<br>Compression set, 70°C, 24h | 7.4<br>615   | °C     | ISO 37<br>ISO 527-1/-2 or ISO 37<br>ISO 527-1/-2 or ISO 37<br>ASTM D 746<br>ISO 48-4 / ISO 868<br>ISO 815 |
| Flammability Burning rate, Thickness 2 mm  | 49.4         | mm/min | ISO 3795 (FMVSS 302)  |
| Physical/Other properties Density  |              | kg/m³  | ISO 1183  |
| Injection  |              |        |   |

# Additional information

Max. regrind level

Back pressure

Processing Notes Processing Notes

Desiccant drying for 3 hours at 80 °C (180 °F) is recommended. Santoprene® TPV has a wide temperature processing window from 175 to 230 °C (350 to 450 °F) and is incompatible with acetal and PVC.

20 %

0.517 MPa

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