

SANTOPRENE® 123-52W242

A hard, black thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material has low friction resistance and is especially designed for slip-coating materials in weatherseal applications. This grade of Santoprene® TPV is shear-dependent and can be processed on conventional thermoplastics equipment for extrusion. It is polyolefin based and recyclable within the manufacturing stream.

Key Features

- Designed for applications requiring excellent wear resistance, excellent weather resistance or part surface with low friction factor
- Co-extrudable with other olefin thermoplastic rubbers
- Designed for excellent surface smoothness and flexibility as slip-coating material

Typical mechanical properties

Shore D hardness, 15s 52 ISO 48-4 / ISO 868

Other properties

Density 950 kg/m³ ISO 1183

Processing Texts

Processing Notes Desiccant drying for 4 hours at 65 °C (150 °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.

Other Approvals

Other Approvals

| OEM | Specification |
|----------|--------------------|
| Renault | FRM 18-27-143 /--- |
| Hyundai | MS220-13, Type E-1 |
| VW Group | VW50123 |