

SANTOPRENE® 123-52W242

SANTOPRENE®

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

Product information

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| Resin Identification | TPV | ISO 1043 |
| Part Marking Code | >TPV< | ISO 11469 |

Typical mechanical properties

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| Shore D hardness, 15s | 52 | ISO 48-4 / ISO 868 |
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Physical/Other properties

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| Density | 950 kg/m ³ | ISO 1183 |
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Additional information

Processing Notes

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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.