

SANTOPRENE® 8123-45S100

A hard, black thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material has low friction and is especially designed for use as a co-extruded slip-coat layer on weatherseal applications. It can be used as an alternative to spray-on slip-coat systems used in automotive 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	45	ISO 48-4 / ISO 868
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Other properties

Density	500 lb/gal	ISO 1183
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Processing Texts

Processing Notes	Desiccant drying for 4 hours at 65°C (150°F) can be performed if desired. Santoprene® TPV has a wide temperature processing window from 175 to 230°C (350 to 450°F) and is incompatible with acetal and PVC.
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Other Approvals

Other Approvals	
OEM	Specification
Mercedes-Benz Group (Daimler)	DBL 5562

