

SANTOPRENE® 101-60W261

A soft, black, versatile thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material combines good physical properties and chemical resistance for use in a wide range of applications. This grade of Santoprene® TPV is shear-dependent and can be processed on conventional thermoplastics equipment for injection molding, extrusion or blow molding. It is polyolefin based and recyclable within the manufacturing stream.

Key Features

- Designed for applications requiring good elastic recovery
- Recommended for applications requiring excellent flex fatigue resistance

Typical mechanical properties

Stress at 100% elongation	276 psi	ISO 527-1/-2 or ISO 37
Stress at break	1040 psi	ISO 527-1/-2 or ISO 37
Elongation at break	550 %	ISO 527-1/-2 or ISO 37
Shore A hardness, 15s	65	ISO 48-4 / ISO 868
Compression set at 23°C, 24h	14 %	ISO 815
Compression set at 100°C, 24h	39 %	ISO 815

Other properties

Density	495 lb/gal	ISO 1183
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Processing Texts

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.
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