

SANTOPRENE® 9103-42E (PRELIMINARY)

A hard, 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, blow molding, thermoforming or vacuum forming. It is polyolefin based and recyclable within the manufacturing stream.

Key Features

- Excellent resistance to ozone.

Typical mechanical properties

Stress at 100% elongation	1160 psi	ISO 527-1/-2 or ISO 37
Stress at break	2610 psi	ISO 527-1/-2 or ISO 37
Elongation at break	650 %	ISO 527-1/-2 or ISO 37
Shore D hardness, 15s	42	ISO 48-4 / ISO 868

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. For more information, please consult our Material Safety Data Sheet and Extrusion Guide.