

SANTOPRENE® 163-40F500 (PRELIMINARY) SANTOPRENE®

A black thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material is designed for coextrusion applications, particularly for the static foot of automotive weatherseal systems like glass run channels. This grade of Santoprene™ TPV is shear-dependent and can be processed on conventional thermoplastics equipment for extrusion or thermoforming. It is polyolefin based and recyclable within the manufacturing stream.

Key Features

- · Recommended for coextruded applications not exposed to UV light.
- Recommended for applications requiring excellent ozone resistance.
- · Designed to maximize run length with minimal build-up of material on screen packs or narrow sections of dies.

Product information

Resin Identification Part Marking Code	TPV >TPV<		ISO 1043 ISO 11469
Typical mechanical properties			
Tensile stress at 100% elongation, perpendicular Stress at break, perpendicular Elongation at break, perpendicular Shore D hardness, 15s	•	MPa MPa %	ISO 37 ISO 527-1/-2 or ISO 37 ISO 527-1/-2 or ISO 37 ISO 48-4 / ISO 868
Physical/Other properties Density	940	kg/m³	ISO 1183
Extrusion Drying Temperature Drying Time, Dehumidified Dryer Melt Temperature Range	82 3 177 - 204	°C h °C	

Additional information

Processing Notes	Processing Notes	

Desiccant drying for 3 hours at 80 °C (180 °F) is recommended. SantopreneTM TPV has a wide temperature processing window from 175 to 230 °C (350 to 450 °F) and is incompatible with acetal and PVC. Do not exceed 15% drawdown.

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The above data are preliminary and are subject to change as additional data are developed on subsequent lots.

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