



# CHEMPLAX LLC

A KMI Group Company

Technical Data Sheet

## ElastoPrene 95A-1000

### Thermoplastic Vulcanizate (TPV)

#### Product Description

##### Attributes:

- ElastoPrene TPV is a thermoplastic elastomer containing fully vulcanized EPDM rubber.
- It is the ideal solution for applications requiring long-term sealing performance, even at elevated temperatures up to 135°C (275°F).
- It can be processed using conventional thermoplastic processing equipment. Suitable for -> Injection molding, blow molding, profile and sheet extrusion applications.
- ElastoPrene TPV is supplied in weatherable (UV stabilized) black.
- ElastoPrene TPV is in compliance with FDA, CFR title 21 section 177.2600 "Rubber articles intended for repeated use"; and 177.1210 "Closures with sealing gaskets for food containers".

##### Applications:

ElastoPrene is a cost-effective solution for replacing Santoprene rubber, styrenic-based TPEs, and thermoset rubbers such as EPDM and Polychloroprene. It is an excellent choice for applications requiring flexibility in the following markets -> Automotive parts, appliances, business machines, construction, consumer products, and electronics.

#### Revision

Revision Date: 2/24/2025

Properties	Method	Value
Density	ASTM D792	0.972g/cm <sup>3</sup>
Melt Flow Rate (230°C/2.16kg)	ASTM D1238	8-15 g/10min
Tensile Properties	ASTM D412	
Tensile Strength 100%		2.90 MPa
Tensile Strength		8.0 MPa
Tensile Elongation		550%
Durometer Shore A	ASTM D2240	66.5

## Notes

**Processing Parameters:** ElastoPrene material can be processed using conventional thermoplastic processing equipment. Extrusion processing recommendation L/D ratio of 24 or more, and a metering type screw with compression ratio of 3:4.

**For additional inquiries, please contact: [csr.supplychain@kmigroup.com](mailto:csr.supplychain@kmigroup.com)**

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