



CHEMPLAX LLC

A KMI Group Company

Technical Data Sheet

ElastoPrene 101-80

Thermoplastic Vulcanizate (TPV)

Product Description

ElastoPrene 101-80 is a thermoplastic elastomer containing an olefin-based rubber and polyolefin resins. This material combines excellent physical properties, chemical resistance, and flexibility for use in a wide range of applications. The material can be processed using conventional thermoplastics equipment for injection molding and extrusion. It offers strong chemical resistance for use in a wide variety of applications including high flex resistance and UV resistance.

Revision

Revision Date: 2/24/2025

Properties	Method	Value
Density	ASTM D792	0.960g/cm ³
Tensile Properties	ASTM D638	
Tensile Stress (300% strain)		4.61 MPa
Tensile Strength (Yield)		10.5 MPa
Tensile Elongation (Break)		525%
Compression Set	ASTM D395B	
18°F, 22 hr.		36%
Durometer (Shore A, 15 sec delay)	ASTM D2240	87

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. Die swelling will be limited due to the higher melt viscosity.

For additional inquiries, please contact: csr.supplychain@kmigroup.com

TECHNICAL INFORMATION AND DATA REGARDING THE COMPOSITION, PROPERTIES OR USE OF THE PRODUCTS DESCRIBED HERE IS BELIEVED RELIABLE. HOWEVER NO REPRESENTATION OR WARRANTY IS MADE WITH RESPECT THERETO EXCEPT AS MADE BY CHEMPLAX LLC IN WRITING AT TIME OF SALE. CHEMPLAX LLC CANNOT ASSUME RESPONSIBILITY FOR ANY PATENT LIABILITY WHICH MAY RISE FROM THE USE OF ANY PRODUCT IN A PROCESS, MANNER OR FORMULA NOT DESIGNED BY CHEMPLAX LLC.