



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 a use in a wide range of applications. This 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: 3/13/24

Properties	Method	Value
Density	ASTM D792	.960 g/cm ³
Durometer Shore A (15s delay)	ASTM D2240	87
Compression Set (158°F @ 22 hr.)	ASTM D395B	36%
Tensile Properties	ASTM D638	
Tensile Strength 100%		4.61 Mpa
Tensile Strength		10.5 Mpa
Elongation		525%

Additional Notes

Processing Parameters: ElastoPrene material can be processed using conventional thermoplastic processing equipment. Extrusion processing recommendation L/D ratio of 16:1 up to 20:1, and a metering type compression ratio of 2-3. Die swelling will be limited due to the higher melt viscosity.

For additional inquiries, please contact: csr.supplychain@kmi-group.com

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