



CHEMPLAX LLC

A KMI Group Company

Technical Data Sheet

Elastoprene 50D

Thermoplastic Vulcanizate (TPV)

Product Description

Elastoprene 50D is a thermoplastic elastomer containing fully vulcanized EPDM rubber. It is designed for applications requiring long-term sealing performance even at elevated temperatures. It can be processed using conventional thermoplastic processing equipment. Elastoprene 50D is supplied in weatherable (UV stabilized) black.

Suitable for → Injection Molding, Blow Molding, Profile and Sheet Extrusion applications

Revision

Revision Date: 2/21/2024

Properties	Method	Value
Density/Specific Gravity	ASTM D792	0.940 g/cm ³
Melt Flow Rate (190°C/2.16kg)	ASTM D1238	5.4 g/10min
Tensile Properties	ASTM D412	
Tensile Stress (300% strain)		9.40 MPa
Tensile Strength (Yield)		29.0 MPa
Tensile Elongation (Break)		650%
Durometer (Shore A)	ASTM 2240	50

Additional Notes

Processing Parameters: EcoPrene 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

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