



# CHEMPLAX LLC

A KMI Group Company

Technical Data Sheet

## EcoPrene 25% PCR 90A Black TPV

Thermoplastic Vulcanizate (TPV)

### Product Description

EcoPrene 25% PCR 90A Black TPV is a post-consumer recyclable 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 & Sheet Extrusion applications.

### Revision

Revision Date: 2/24/2025

Properties	Method	Value
Density	ASTM D792	0.940g/cm <sup>3</sup>
Melt Flow Rate (230°C/2.16kg)	ASTM D1238	0.54g/10min
Tensile Properties	ASTM D412	
Tensile Strength 100%		10.4 MPa
Tensile Strength		17.2 MPa
Tensile Elongation		650%
Durometer Shore A	ASTM D2240	90

### 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.

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

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