



CHEMPLAX LLC

A KMI Group Company

Technical Data Sheet

EcoPrene 51% PCR 90A Black TPV

Thermoplastic Vulcanizate (TPV)

Product Description

EcoPrene 51% 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.

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 ³
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

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