



CHEMPLAX LLC

A KMI Group Company

Technical Data Sheet

EcoPrene 51% PCR 85A Black TPV

Thermoplastic Vulcanizate (TPV)

Product Description

EcoPrene 51% PCR 85A Black TPV is a post-consumer recyclable thermoplastic vulcanizate containing an olefin-based rubber and polyolefin resins. It is designed for applications requiring long term sealing performance even at elevated temperatures. Soft-touch feel for grips and handles used in automotive and consumer goods. It can be processed using conventional thermoplastic processing equipment that can be extruded or molded into flexible parts. It is an excellent choice for applications requiring flexibility.

Revision

Revision Date: 2/24/2025

Properties	Method	Value
Density	ASTM D792	0.960g/cm ³
Melt Flow Rate (230°C/2.16kg)	ASTM D1238	4.74g/10min
Tensile Properties	ASTM D412	
Tensile Strength 100%		6.50 MPa
Tensile Strength		10.1 MPa
Tensile Elongation		490%
Durometer Shore A	ASTM D2240	85

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

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