



CHEMPLAX LLC

A KMI Group Company

Technical Data Sheet

EcoPrene 51% PCR 80A Black TPV

Thermoplastic Vulcanizate (TPV)

Product Description

EcoPrene 51% PCR 80A 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 in the following markets: automotive, appliance, business machines, construction, consumer products, and electronics.

Revision

Revision Date: 2/23/24

| Properties | Method | Value |
|------------------------|------------|-------------------------|
| Melt Flow Rate @ 230°C | ASTM D1238 | 2.1 g/10 min |
| Density | ASTM D792 | 0.982 g/cm ³ |
| Durometer Shore A | ASTM D2240 | 80 |
| Tensile Properties | ASTM D412 | |
| Tensile Strength 100% | | 3.18 MPa |
| Tensile Strength | | 7.12 MPa |
| Elongation | | 470% |

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.

For additional inquiries, please contact: csr.supplychain@kmiigroup.com

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