



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. Suitable for injection molding, blow molding, profile and sheet extrusion applications. Elastoprene 50D is supplied in weatherable (UV stabilized) black.

Revision

Revision Date: 7/20/22

Properties	Method	Value
Melt Flow Rate @ 230°C	ASTM D1238	5.4 g/10 min
Density	ASTM D792	0.940 g/cm ³
Durometer Shore D	ASTM D2240	50
Tensile Properties	ASTM D412	
Tensile Strength 100%		9.40 MPa
Tensile Strength		29.0 MPa
Elongation		650%

Additional Notes

Processing Parameters: Elastoprene 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

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 BY CHEMPLAX LLC.