



# CHEMPLAX LLC

A KMI Group Company

Technical Data Sheet

## ElastoPrene 65A TPV BLK

Thermoplastic Vulcanizate

### Product Description

ElastoPrene 65 Shore A TPV Black is made for injection molding and extrusion applications, offering good compression set and a good balance of physical properties.

### Revision

Revision Date: 2/24/2025

Properties	Method	Value
Density	ASTM D792	0.967 g/cm <sup>3</sup>
Melt Flow Rate (200°C/5kg)	ASTM D1238	1.6 g/cm <sup>3</sup>
Tensile Properties	ASTM D412	
Tensile Strength (Break)		6.4 MPa (928 psi)
Tensile Elongation (Break)		480%
100% Modulus		2.8 MPa (406 psi)
Tear Strength	ASTM D624	144 lbs/in (24.9 kN/m)
Hardness (Shore A)	ASTM D2240	
Injection Molded, 15 sec		66
Extruded, 15 sec		62
Compression Set	ASTM D395B	
22h / 70°C		30%
70h / 125°C		43%
Brittleness Point	Internal Method	-60°C

## Notes

### **Features**

- Overmold and coextrusion adhesion to Polypropylene
- Low Gloss
- Rubberlike elasticity, good compression set properties
- Ease of processing
- Recyclability

### **Processing Conditions (General)**

#### **Drying Conditions**

This material should be dried for 3 hours at 180°F.

#### **Molding and Extrusion Conditions**

Barrel Temperatures

- Rear: 160°-180°C
- Middle: 170°-190°C
- Front: 180°-200°C
- Die/Nozzle: 190°C

Melt Temperature: 170°-200°C

Mold Temperature: 10°-50°C

Screw Speed: 50-200 rpm

#### **Environmental Resistance**

- Ozone- Excellent
- UV- Good to Excellent
- Water- Excellent
- Alcohol- Excellent
- Oils & Solvents- Very Good (Depending on temperature and type of oil)
- Detergent- Good
- Weak Acids & Bases- Good

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

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