

## Material Profile: Simriz® 485

Superior 485 was developed as a general use perfluoroelastomer compound. Superior 485 offers excellent chemical compatibility in a wide range of industrial applications.

### Features and Benefits

- Wide chemical compatibility
- Meets ASTM D200

### Recommended Applications

- |                                     |               |
|-------------------------------------|---------------|
| ■ Acids                             | ■ Ethers      |
| ■ Bases                             | ■ Esters      |
| ■ Alcohols                          | ■ Ketones     |
| ■ Aldehydes                         | ■ MEK         |
| ■ Amines                            | ■ Nitric Acid |
| ■ Triethylamine                     | ■ Oxidizers   |
| ■ Sodium Hydroxide                  |               |
| ■ Steam/Hot Water                   |               |
| ■ Chemical & Hydrocarbon Processing |               |
| ■ Aromatic/Aliphatic Oils           |               |



**Black Perfluoroelastomer**  
 Service Temperature Range: 19 to 450°F

### Typical Physical Properties

Color	Black
Shore A Durometer	75
Tensile Strength, psi (MPa)	2690 (18.5)
Elongation	195%
Compression Set: 70 hrs. at 200°C	25%
Service Temperature Range, °C (°F)	-7 to 230 (19 to 450)

NOTE -

The information contained herein is believed to be reliable, but no representation, guarantees or warranties of any kind are made to its accuracy or suitability for any purpose. The information presented herein is based on laboratory testing and does not necessarily indicate end product performance. Full scale testing and end product performance are the responsibility of the user.