

Daikin DAI-EL G-952 Fluoroelastomer Terpolymer, Peroxide Curable Grade, 69% Fluorine Content

Category : Polymer , Thermoset , Fluoropolymer, TS , Thermoset Fluoroelastomer , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Offers excellent chemical and steam resistance. Offers good mechanical characteristics. Features: Good solvent resistance and low-temperature characteristics. Information provided by Daikin Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Daikin-DAI-EL-G-952-Fluoroelastomer-Terpolymer-Peroxide-Curable-Grade-69-Fluorine-Content.php

| Physical Properties | Metric | English | Comments |
|---------------------|---------------------------|---------------------------|----------|
| Specific Gravity | 3.00 g/cc | 3.00 g/cc | at 25°C |
| Mooney Viscosity | 40 @Temperature 121 °C | 40 @Temperature 250 °F | ML 1+10 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|-----------------------------|-----------------------------|---------------------|
| Hardness, Shore A | 67 | 67 | Peak value, at 25°C |
| Tensile Strength at Break | 24.0 MPa | 3480 psi | |
| Tensile Strength, Yield | 2.30 MPa @Strain 100 % | 334 psi @Strain 100 % | |
| Elongation at Break | 320 % | 320 % | |
| Tear Strength | 19.6 kN/m | 112 pli | at 25°C |
| Compression Set | 13 % | 13 % | 70 hours at 25°C |
| | 11 % @Temperature 100 °C | 11 % @Temperature 212 °F | 70 hours |
| | 15 % @Temperature 175 °C | 15 % @Temperature 347 °F | 70 hours |
| | 28 % @Temperature 200 °C | 28 % @Temperature 392 °F | 70 hours |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|----------|---------|--------------------------|
| Minimum Service Temperature, Air | -14.0 °C | 6.80 °F | TR test, TR10 |
| | -12.5 °C | 9.50 °F | Gehman torsion test, T10 |

| Thermal Properties | -8.00 °C Metric | 17.8 °F English | TR test TR70 Comments |
|-------------------------|--------------------|--------------------|--------------------------|
| | -7.50 °C | 18.5 °F | Gehman torsion test, T2 |
| Brittleness Temperature | -26.0 °C | -14.8 °F | |

| Processing Properties | Metric | English | Comments |
|------------------------|----------|-------------|----------------------------|
| Processing Temperature | 160 °C | 320 °F | Cure Measuring Temperature |
| Cure Time | 2.00 min | 0.0333 hour | Curelastmeter |

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