

## Daikin DAI-EL LT-302 Fluoroelastomer, Low Temperature Grade, 64% Fluorine Content

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

### Material Notes:

Features: Flexible up to -30°C, excellent low temperature sealing. Information provided by Daikin Industries.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Daikin-DAI-EL-LT-302-Fluoroelastomer-Low-Temperature-Grade-64-Fluorine-Content.php](http://www.lookpolymers.com/polymer_Daikin-DAI-EL-LT-302-Fluoroelastomer-Low-Temperature-Grade-64-Fluorine-Content.php)

| Physical Properties | Metric                    | English                   | Comments |
|---------------------|---------------------------|---------------------------|----------|
| Specific Gravity    | 1.80 g/cc                 | 1.80 g/cc                 | at 25°C  |
| Mooney Viscosity    | 30<br>@Temperature 121 °C | 30<br>@Temperature 250 °F | ML 1+10  |

| Mechanical Properties     | Metric                       | English                      | Comments            |
|---------------------------|------------------------------|------------------------------|---------------------|
| Hardness, Shore A         | 65                           | 65                           | Peak value, at 25°C |
| Tensile Strength at Break | 18.1 MPa                     | 2630 psi                     |                     |
| Tensile Strength, Yield   | 3.50 MPa<br>@Strain 100 %    | 508 psi<br>@Strain 100 %     |                     |
| Elongation at Break       | 250 %                        | 250 %                        |                     |
| Tear Strength             | 24.0 kN/m                    | 137 pli                      | at 25°C             |
| Compression Set           | 8.0 %                        | 8.0 %                        | 70 hours at 25°C    |
|                           | 9.0 %<br>@Temperature 100 °C | 9.0 %<br>@Temperature 212 °F | 70 hours            |
|                           | 12 %<br>@Temperature 175 °C  | 12 %<br>@Temperature 347 °F  | 70 hours            |
|                           | 17 %<br>@Temperature 200 °C  | 17 %<br>@Temperature 392 °F  | 70 hours            |

| Thermal Properties               | Metric   | English  | Comments                 |
|----------------------------------|----------|----------|--------------------------|
| Minimum Service Temperature, Air | -31.0 °C | -23.8 °F | TR test, TR10            |
|                                  | -29.5 °C | -21.1 °F | Gehman torsion test, T10 |
|                                  | -25.0 °C | -13.0 °F | Gehman torsion test, T2  |

| Thermal Properties      | -22.0 °C<br>Metric | -7.60 °F<br>English | TR test TR70<br>Comments |
|-------------------------|--------------------|---------------------|--------------------------|
| Brittleness Temperature | -38.0 °C           | -36.4 °F            |                          |

| Processing Properties  | Metric   | English     | Comments                   |
|------------------------|----------|-------------|----------------------------|
| Processing Temperature | 160 °C   | 320 °F      | Cure Measuring Temperature |
| Cure Time              | 1.50 min | 0.0250 hour | Curelastmeter              |

## Contact Songhan Plastic Technology Co.,Ltd.

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