

Daikin DAI-EL G-575 Fluoroelastomer Terpolymer, Bisphenol Curable Grade, 70% Fluorine Content

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

Material Notes:

Offers minimal compression set and excellent sealing. The terpolymer type is able to withstand polarized solvents to realize a wide range of application. Features: Low permeability to gasoline and alcohol mixed fuel oil and good extrudability. Information provided by Daikin Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Daikin-DAI-EL-G-575-Fluoroelastomer-Terpolymer-Bisphenol-Curable-Grade-70-Fluorine-Content.php

| Physical Properties | Metric | English | Comments |
|---------------------|---------------------------|---------------------------|----------|
| Specific Gravity | 1.91 g/cc | 1.91 g/cc | at 25°C |
| Mooney Viscosity | 36 @Temperature 121 °C | 36 @Temperature 250 °F | ML 1+10 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|-----------------------------|-----------------------------|---------------------|
| Hardness, Shore A | 73 | 73 | Peak value, at 25°C |
| Tensile Strength at Break | 12.9 MPa | 1870 psi | |
| Tensile Strength, Yield | 4.10 MPa @Strain 100 % | 595 psi @Strain 100 % | |
| Elongation at Break | 290 % | 290 % | |
| Tear Strength | 19.8 kN/m | 113 pli | at 25°C |
| Compression Set | 32 % | 32 % | 70 hours at 25°C |
| | 24 % @Temperature 100 °C | 24 % @Temperature 212 °F | 70 hours |
| | 28 % @Temperature 175 °C | 28 % @Temperature 347 °F | 70 hours |
| | 44 % @Temperature 200 °C | 44 % @Temperature 392 °F | 70 hours |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|----------|---------|---------------|
| Minimum Service Temperature, Air | -11.0 °C | 12.2 °F | TR test, TR10 |

| Thermal Properties | -9.00 °C Metric | 15.8 °F English | Gehman torsion test, T10 Comments |
|-------------------------|--------------------|--------------------|--------------------------------------|
| | -5.00 °C | 23.0 °F | TR test, TR70 |
| | -2.50 °C | 27.5 °F | Gehman torsion test, T2 |
| Brittleness Temperature | -18.0 °C | -0.400 °F | |

| Processing Properties | Metric | English | Comments |
|------------------------|----------|------------|----------------------------|
| Processing Temperature | 160 °C | 320 °F | Cure Measuring Temperature |
| Cure Time | 6.70 min | 0.112 hour | Curelastmeter |

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