

## Daikin DAI-EL G-551 Fluoroelastomer Terpolymer, Bisphenol Curable Grade, 69% 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: Products with excellent balance of methanol and low temperature resistance. Information provided by Daikin Industries.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Daikin-DAI-EL-G-551-Fluoroelastomer-Terpolymer-Bisphenol-Curable-Grade-69-Fluorine-Content.php](http://www.lookpolymers.com/polymer_Daikin-DAI-EL-G-551-Fluoroelastomer-Terpolymer-Bisphenol-Curable-Grade-69-Fluorine-Content.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.89 g/cc	1.89 g/cc	at 25°C
Mooney Viscosity	48 @Temperature 121 °C	48 @Temperature 250 °F	ML 1+10

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	74	74	Peak value, at 25°C
Tensile Strength at Break	15.9 MPa	2310 psi	
Tensile Strength, Yield	4.40 MPa @Strain 100 %	638 psi @Strain 100 %	
Elongation at Break	210 %	210 %	
Tear Strength	20.6 kN/m	118 pli	at 25°C
Compression Set	13 %	13 %	70 hours at 25°C
	9.0 % @Temperature 100 °C	9.0 % @Temperature 212 °F	70 hours
	18 % @Temperature 175 °C	18 % @Temperature 347 °F	70 hours
	25 % @Temperature 200 °C	25 % @Temperature 392 °F	70 hours

Thermal Properties	Metric	English	Comments
Minimum Service Temperature, Air	-14.0 °C	6.80 °F	TR test, TR10

Thermal Properties	-12.0 °C Metric	10.4 °F English	Gehman torsion test, T10 Comments
	-8.00 °C	17.6 °F	TR test, TR70
	-7.00 °C	19.4 °F	Gehman torsion test, T2
Brittleness Temperature	-21.0 °C	-5.80 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	170 °C	338 °F	Cure Measuring Temperature
Cure Time	2.40 min	0.0400 hour	Curelastmeter

## Contact Songhan Plastic Technology Co.,Ltd.

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