

Daikin DAI-EL G-603 Fluoroelastomer Terpolymer, Bisphenol Curable Grade, 71% 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. Information provided by Daikin Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Daikin-DAI-EL-G-603-Fluoroelastomer-Terpolymer-Bisphenol-Curable-Grade-71-Fluorine-Content.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.92 g/cc	1.92 g/cc	at 25°C
Mooney Viscosity	31 @Temperature 121 °C	31 @Temperature 250 °F	ML 1+10

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	77	77	Peak value, at 25°C
Tensile Strength at Break	14.0 MPa	2030 psi	
Tensile Strength, Yield	3.70 MPa @Strain 100 %	537 psi @Strain 100 %	
Elongation at Break	280 %	280 %	
Tear Strength	21.0 kN/m	120 pli	at 25°C
Compression Set	36 %	36 %	70 hours at 25°C
	30 % @Temperature 100 °C	30 % @Temperature 212 °F	70 hours
	35 % @Temperature 175 °C	35 % @Temperature 347 °F	70 hours
	60 % @Temperature 200 °C	60 % @Temperature 392 °F	70 hours

Thermal Properties	Metric	English	Comments
Minimum Service Temperature, Air	-8.00 °C	17.6 °F	TR test, TR10
	-4.80 °C	23.4 °F	Gehman torsion test, T10

Thermal Properties	-2.00 °C Metric	28.4 °F English	TR test TR70 Comments
	-1.30 °C	29.7 °F	Gehman torsion test, T2
Brittleness Temperature	-14.0 °C	6.80 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	170 °C	338 °F	Cure Measuring Temperature
Cure Time	4.40 min	0.0733 hour	Curelastmeter

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