

Daikin DAI-EL G-701 Fluoroelastomer Copolymer, Bisphenol Curable Grade, 66% Fluorine Content

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

Material Notes:

Offers minimal compression set and excellent sealing. The copolymer type offers good compression set characteristics. Features: General purpose with excellent compression set. Information provided by Daikin Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Daikin-DAI-EL-G-701-Fluoroelastomer-Copolymer-Bisphenol-Curable-Grade-66-Fluorine-Content.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.85 g/cc	1.85 g/cc	at 25°C
Mooney Viscosity	32 @Temperature 121 °C	32 @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	14.6 MPa	2120 psi	
Tensile Strength, Yield	5.30 MPa @Strain 100 %	769 psi @Strain 100 %	
Elongation at Break	190 %	190 %	
Tear Strength	19.6 kN/m	112 pli	at 25°C
Taber Abrasion, mg/1000 Cycles	325	325	H-22 abrasive wheel, load: 1000g x 2
Compression Set	7.0 %	7.0 %	70 hours at 25°C
	4.0 % @Temperature 100 °C	4.0 % @Temperature 212 °F	70 hours
	11 % @Temperature 175 °C	11 % @Temperature 347 °F	70 hours
	17 % @Temperature 200 °C	17 % @Temperature 392 °F	70 hours

Thermal Properties	Metric	English	Comments
Minimum Service Temperature, Air	-18.0 °C	-0.400 °F	TR test, TR10

Thermal Properties	-12.5 °C Metric	9.50 °F English	Gehman torsion test, T10 Comments
	-9.00 °C	15.8 °F	TR test, TR70
	-6.00 °C	21.2 °F	Gehman torsion test, T2
Brittleness Temperature	-17.0 °C	1.40 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	

Processing Properties	Metric	English	Comments
Processing Temperature	170 °C	338 °F	Cure Measuring Temperature
Cure Time	4.20 min	0.0700 hour	Curelastmeter

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