

Daikin DAI-EL G-555 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-555-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	35 @Temperature 121 °C	35 @Temperature 250 °F	ML 1+10

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	72	72	Peak value, at 25°C
Tensile Strength at Break	12.8 MPa	1860 psi	
Tensile Strength, Yield	2.90 MPa @Strain 100 %	421 psi @Strain 100 %	
Elongation at Break	330 %	330 %	
Tear Strength	20.6 kN/m	118 pli	at 25°C
Compression Set	28 %	28 %	70 hours at 25°C
	17 % @Temperature 100 °C	17 % @Temperature 212 °F	70 hours
	21 % @Temperature 175 °C	21 % @Temperature 347 °F	70 hours
	29 % @Temperature 200 °C	29 % @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	-13.6 °C Metric	7.52 °F English	Gehman torsion test, T10 Comments
	-7.00 °C	19.4 °F	TR test, TR70
	-4.00 °C	24.8 °F	Gehman torsion test, T2
Brittleness Temperature	-26.0 °C	-14.8 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	160 °C	320 °F	Cure Measuring Temperature
Cure Time	6.30 min	0.105 hour	Curelastmeter

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