

Daikin DAI-EL G-912 Fluoroelastomer Terpolymer, Peroxide Curable Grade, 71% Fluorine Content

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

Material Notes:

Offers excellent chemical and steam resistance. Offers good mechanical characteristics. Features: Excellent solvent resistance, good compression set. Information provided by Daikin Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Daikin-DAI-EL-G-912-Fluoroelastomer-Terpolymer-Peroxide-Curable-Grade-71-Fluorine-Content.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.87 g/cc	1.87 g/cc	at 25°C
Mooney Viscosity	56 @Temperature 121 °C	56 @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	20.0 MPa	2900 psi	
Tensile Strength, Yield	8.50 MPa @Strain 100 %	1230 psi @Strain 100 %	
Elongation at Break	170 %	170 %	
Tear Strength	17.6 kN/m	100 pli	at 25°C
Compression Set	7.0 %	7.0 %	70 hours at 25°C
	6.0 % @Temperature 100 °C	6.0 % @Temperature 212 °F	70 hours
	11 % @Temperature 175 °C	11 % @Temperature 347 °F	70 hours
	16 % @Temperature 200 °C	16 % @Temperature 392 °F	70 hours

Thermal Properties	Metric	English	Comments
Minimum Service Temperature, Air	-8.00 °C	17.6 °F	TR test, TR10
	-5.10 °C	22.8 °F	Gehman torsion test, T10

Thermal Properties	-2.00 °C Metric	28.4 °F English	TR test TR70 Comments
	-1.50 °C	29.3 °F	Gehman torsion test, T2
Brittleness Temperature	-20.0 °C	-4.00 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	160 °C	320 °F	Cure Measuring Temperature
Cure Time	3.00 min	0.0500 hour	Curelastmeter

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