

Daikin DAI-EL G-723 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: Excellent mold releasability, non-sticking. Information provided by Daikin Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Daikin-DAI-EL-G-723-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	40 @Temperature 121 °C	40 @Temperature 250 °F	ML 1+10

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	71	71	Peak value, at 25°C
Tensile Strength at Break	15.8 MPa	2290 psi	
Tensile Strength, Yield	4.20 MPa @Strain 100 %	609 psi @Strain 100 %	
Elongation at Break	240 %	240 %	
Tear Strength	22.5 kN/m	128 pli	at 25°C
Compression Set	13 %	13 %	70 hours at 25°C
	7.0 % @Temperature 100 °C	7.0 % @Temperature 212 °F	70 hours
	11 % @Temperature 175 °C	11 % @Temperature 347 °F	70 hours
	20 % @Temperature 200 °C	20 % @Temperature 392 °F	70 hours

Thermal Properties	Metric	English	Comments
Minimum Service Temperature, Air	-18.0 °C	-0.400 °F	TR test, TR10
	-15.5 °C	4.10 °F	Gehman torsion test, T10

Thermal Properties	-9.00 °C Metric	15.8 °F English	TR test TR70 Comments
	-8.50 °C	16.7 °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	2.90 min	0.0483 hour	Curelastmeter

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