

Daikin DAI-EL G-763 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 for O-rings. Information provided by Daikin Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Daikin-DAI-EL-G-763-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	29 @Temperature 121 °C	29 @Temperature 250 °F	ML 1+10

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	69	69	Peak value, at 25°C
Tensile Strength at Break	15.0 MPa	2180 psi	
Tensile Strength, Yield	3.30 MPa @Strain 100 %	479 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
	9.0 % @Temperature 100 °C	9.0 % @Temperature 212 °F	70 hours
	13 % @Temperature 175 °C	13 % @Temperature 347 °F	70 hours
	23 % @Temperature 200 °C	23 % @Temperature 392 °F	70 hours

Thermal Properties	Metric	English	Comments
Minimum Service Temperature, Air	-18.0 °C	-0.400 °F	TR test, TR10
	-15.6 °C	3.92 °F	Gehman torsion test, T10

Thermal Properties	-8.50 °C Metric	16.7 °F English	Rehman Torsion Test, T2 Comments
	-8.00 °C	17.6 °F	TR test, TR70
Brittleness Temperature	-21.0 °C	-5.80 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	170 °C	338 °F	Cure Measuring Temperature
Cure Time	3.70 min	0.0617 hour	Curelastmeter

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