

Daikin DAI-EL G-781 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. Information provided by Daikin Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Daikin-DAI-EL-G-781-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	70	70	Peak value, at 25°C
Tensile Strength at Break	14.8 MPa	2150 psi	
Tensile Strength, Yield	3.80 MPa @Strain 100 %	551 psi @Strain 100 %	
Elongation at Break	220 %	220 %	
Tear Strength	20.9 kN/m	119 pli	at 25°C
Compression Set	8.0 %	8.0 %	70 hours at 25°C
	5.0 % @Temperature 100 °C	5.0 % @Temperature 212 °F	70 hours
	8.0 % @Temperature 175 °C	8.0 % @Temperature 347 °F	70 hours
	15 % @Temperature 200 °C	15 % @Temperature 392 °F	70 hours

Thermal Properties	Metric	English	Comments
Minimum Service Temperature, Air	-18.0 °C	-0.400 °F	TR test, TR10
	-14.5 °C	5.90 °F	Gehman torsion test, T10

Thermal Properties	-10.0 °C Metric	14.0 °F English	TR test TR70 Comments
	-7.00 °C	19.4 °F	Gehman torsion test, T2
Brittleness Temperature	-18.0 °C	-0.400 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	170 °C	338 °F	Cure Measuring Temperature
Cure Time	5.50 min	0.0917 hour	Curelastmeter

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