

Daikin DAI-EL G-783 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: Fast vulcanization, for complex shapes. Information provided by Daikin Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Daikin-DAI-EL-G-783-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	14.9 MPa	2160 psi	
Tensile Strength, Yield	3.30 MPa @Strain 100 %	479 psi @Strain 100 %	
Elongation at Break	260 %	260 %	
Tear Strength	23.5 kN/m	134 pli	at 25°C
Compression Set	10 %	10 %	70 hours at 25°C
	7.0 % @Temperature 100 °C	7.0 % @Temperature 212 °F	70 hours
	10 % @Temperature 175 °C	10 % @Temperature 347 °F	70 hours
	18 % @Temperature 200 °C	18 % @Temperature 392 °F	70 hours

Thermal Properties	Metric	English	Comments
Minimum Service Temperature, Air	-18.0 °C	-0.400 °F	TR test, TR10
	-16.0 °C	3.20 °F	Gehman torsion test, T10

Thermal Properties	^{-9.00 °C} Metric	^{15.8 °F} English	^{TR test TR70} Comments
	-8.00 °C	17.6 °F	Gehman torsion test, T2
Brittleness Temperature	-22.0 °C	-7.60 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	170 °C	338 °F	Cure Measuring Temperature
Cure Time	2.10 min	0.0350 hour	Curelastmeter

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