

Daikin DAI-EL G-558 Fluoroelastomer Terpolymer, Bisphenol Curable Grade, 69% Fluorine Content

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

Material Notes:

Offers minimal compression set and excellent sealing. The terpolymer type is able to withstand polarized solvents to realize a wide range of application. Features: Low gasoline permeability and good extrudability. Information provided by Daikin Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Daikin-DAI-EL-G-558-Fluoroelastomer-Terpolymer-Bisphenol-Curable-Grade-69-Fluorine-Content.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.89 g/cc	1.89 g/cc	at 25°C
Mooney Viscosity	34 @Temperature 121 °C	34 @Temperature 250 °F	ML 1+10

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	68	68	Peak value, at 25°C
Tensile Strength at Break	12.5 MPa	1810 psi	
Tensile Strength, Yield	2.70 MPa @Strain 100 %	392 psi @Strain 100 %	
Elongation at Break	300 %	300 %	
Tear Strength	20.5 kN/m	117 pli	at 25°C
Compression Set	26 %	26 %	70 hours at 25°C
	16 % @Temperature 100 °C	16 % @Temperature 212 °F	70 hours
	20 % @Temperature 175 °C	20 % @Temperature 347 °F	70 hours
	28 % @Temperature 200 °C	28 % @Temperature 392 °F	70 hours

Thermal Properties	Metric	English	Comments
Minimum Service Temperature, Air	-14.0 °C	6.80 °F	TR test, TR10
	-13.5 °C	7.70 °F	Gehman torsion test, T10

Thermal Properties	^{-8.00 °C} Metric	^{17.6 °F} English	^{TR test TR70} Comments
	-4.00 °C	24.8 °F	Gehman torsion test, T2
Brittleness Temperature	-26.0 °C	-14.8 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	160 °C	320 °F	Cure Measuring Temperature
Cure Time	9.50 min	0.158 hour	Curelastmeter

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