

DAI-EL™ G-702

Fluoroelastomer
DAIKIN AMERICA, INC.

Message:

DAI-EL G-702 is a cure-incorporated copolymer with medium Mooney viscosity. It is designed especially for compression molding applications where higher elongation at molding temperatures is required for easy part demolding.

General Information			
Features	Copolymer		
	Medium Viscosity		
Uses	Diaphragms		
	Gaskets		
	Seals		
Appearance	Cream		
	White		
Forms	Pellets		
Processing Method	Compression Molding		
Physical	Nominal Value	Unit	
Specific Gravity	1.81	g/cm ³	
Mooney Viscosity (ML 1+10, 121°C)	41	MU	
Fluorine Content	66	%	
Hardness	Nominal Value	Unit	
Durometer Hardness ¹ (Shore A, 25°C)	71		
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			
100% Strain, 25°C ²	4.20	MPa	
100% Strain, 25°C ³	4.70	MPa	
Tensile Strength			
Yield, 25°C ⁴	13.9	MPa	
Yield, 25°C ⁵	13.8	MPa	
Tensile Elongation			
Break, 25°C ⁶	260	%	
Break, 25°C ⁷	240	%	
Compression Set			ASTM D395B
200°C, 70 hr ⁸	28	%	
200°C, 70 hr ⁹	26	%	
Thermal	Nominal Value	Unit	Test Method

Brittleness Temperature	-18.0	°C	ASTM D1329
NOTE			
1.	MDR 2000, Strain: 0.5°, Test time: 6 min		
2.	ODR, Strain: 3°, Test time: 12 min		
3.	MDR 2000, Strain: 0.5°, Test time: 6 min		
4.	ODR, Strain: 3°, Test time: 12 min		
5.	MDR 2000, Strain: 0.5°, Test time: 6 min		
6.	ODR, Strain: 3°, Test time: 12 min		
7.	MDR 2000, Strain: 0.5°, Test time: 6 min		
8.	MDR 2000, Strain: 0.5°, Test time: 6 min		
9.	ODR, Strain: 3°, Test time: 12 min		

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