

DAI-EL™ G-701

Fluoroelastomer

DAIKIN AMERICA, INC.

Message:

DAI-EL G-701 is a cure-incorporated copolymer with medium Mooney viscosity. It is designed especially for compression molding of o-rings and other applications that require good heat resistance and compression set.

General Information			
Features	Copolymer		
	Fast Cure		
	Low Compression Set		
	Medium Viscosity		
Uses	Gaskets		
	Seals		
	Tubing		
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	
Carbon Black Content ¹	30	%	
Fluorine Content	66	%	
Hardness	Nominal Value	Unit	
Durometer Hardness ² (Shore A, 25°C)	76		
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			
100% Strain, 25°C ³	7.20	MPa	
100% Strain, 25°C ⁴	6.30	MPa	
Tensile Strength			
Yield, 25°C ⁵	14.7	MPa	
Yield, 25°C ⁶	13.7	MPa	
Tensile Elongation ⁷ (Break, 25°C)	190	%	
Compression Set			ASTM D395B
200°C, 70 hr ⁸	22	%	
200°C, 70 hr ⁹	20	%	

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-18.0	°C	ASTM D1329
NOTE			
1.	MT, N-990		
2.	MDR 2000, Strain: 0.5°, Test time: 6 min		
3.	ODR, Strain: 3°, Test time: 12 min		
4.	MDR 2000, Strain: 0.5°, Test time: 6 min		
5.	ODR, Strain: 3°, Test time: 12 min		
6.	MDR 2000, Strain: 0.5°, Test time: 6 min		
7.	ODR, Strain: 3°, Test time: 12 min		
8.	MDR 2000, Strain: 0.5°, Test time: 6 min		
9.	ODR, Strain: 3°, Test time: 12 min		

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