

DAI-EL™ G-603

Fluoroelastomer
DAIKIN AMERICA, INC.

Message:

DAI-EL G-603 is a Medium Mooney viscosity cure incorporated terpolymer designed for transfer and compression molding applications. G-603 provides excellent chemical and solvent resistance with very low permeation rates.

General Information		
Features	Good Chemical Resistance	
	Medium Viscosity	
	Solvent Resistant	
	Terpolymer	
Uses	Gaskets	
	Seals	
Appearance	Pink	
	White	
Forms	Pellets	
Processing Method	Compression Molding	
	Resin Transfer Molding	
Physical	Nominal Value	Unit
Specific Gravity ¹	1.92	g/cm ³
Mooney Viscosity (ML 1+10, 121°C)	31	MU
Fluorine Content	71	%
Cure Temperature	170	°C
Cure Time - Curelastmeter	4.4	min
Gehman Torsion Test		
T10	-4.80	
T2	-1	°C
TR Test		
TR10	-8	°C
TR70	-2	°C
Hardness	Nominal Value	Unit
Durometer Hardness (Shore A, 25°C)	77	
Elastomers	Nominal Value	Unit
Tensile Stress (100% Strain, 25°C)	3.70	MPa
Tensile Strength (Yield, 25°C)	14.0	MPa

Tensile Elongation (Break, 25°C)	280	%
Tear Strength (25°C)	21.0	kN/m
Compression Set		
25°C, 70 hr	36	%
100°C, 70 hr	30	%
175°C, 70 hr	35	%
200°C, 70 hr	60	%
Aging	Nominal Value	Unit
Change in Tensile Strength in Air (230°C, 70 hr)	1.0	%
Change in Ultimate Elongation in Air (230°C, 70 hr)	-1.0	%
Change in Durometer Hardness in Air (Shore A, 230°C, 70 hr)	1.0	
Thermal	Nominal Value	Unit
Brittleness Temperature	-14.0	°C
NOTE		
1.	25°C	

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