

DAI-EL™ G-621

Fluoroelastomer

DAIKIN AMERICA, INC.

Message:

DAI-EL G-621 is a cure incorporated terpolymer designed for transfer and compression molding applications. G-621 provides excellent chemical and solvent resistance with very low permeation rates.

General Information	
Features	Good Chemical Resistance
	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)	50	MU
Fluorine Content	71	%
Cure Temperature	170	°C
Cure Time - Curelastmeter	3.5	min
Gehman Torsion Test		
T10	-5	°C
T2	-2	°C
TR Test		
TR10	-8	°C
TR70	-2	°C
Hardness	Nominal Value	Unit
Durometer Hardness (Shore A, 25°C)	76	
Elastomers	Nominal Value	Unit
Tensile Stress (100% Strain, 25°C)	3.70	MPa
Tensile Strength (Yield, 25°C)	16.2	MPa
Tensile Elongation (Break, 25°C)	280	%

Tear Strength (25°C)	19.6	kN/m
Compression Set		
25°C, 70 hr	23	%
100°C, 70 hr	18	%
175°C, 70 hr	20	%
200°C, 70 hr	29	%
Aging	Nominal Value	Unit
Change in Tensile Strength in Air (230°C, 70 hr)	5.0	%
Change in Ultimate Elongation in Air (230°C, 70 hr)	-2.0	%
Change in Durometer Hardness in Air (Shore A, 230°C, 70 hr)	0.0	
Thermal	Nominal Value	Unit
Brittleness Temperature	-15.0	°C
NOTE		
1.	25°C	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

