

DAI-EL™ G-912

Fluoroelastomer

DAIKIN AMERICA, INC.

Message:

DAI-EL G-912 is a medium viscosity terpolymer suitable for various peroxide cure systems. G-912 can be formulated to eliminate the post cure process. G-912 is designed for transfer and compression molding applications that require excellent chemical, steam and compression set resistance.

General Information	
Features	Good Chemical Resistance
	Low Compression Set
	Medium Viscosity
	Steam Resistant
	Terpolymer
Uses	Seals
Appearance	Pink
	White
Forms	Pellets
Processing Method	Compression Molding
	Resin Transfer Molding

Physical	Nominal Value	Unit
Specific Gravity	1.87 to 1.91	g/cm ³
Mooney Viscosity (ML 1+10, 121°C)	56	MU
Fluorine Content	71	%
Cure Temperature	160	°C
Cure Time - Curelastmeter	3.0	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)	73	
Elastomers	Nominal Value	Unit
Tensile Stress (100% Strain, 25°C)	8.50	MPa
Tensile Strength (Yield, 25°C)	20.0	MPa
Tensile Elongation (Break, 25°C)	170	%

Tear Strength (25°C)	17.6	kN/m
Compression Set		
25°C, 70 hr	7.0	%
100°C, 70 hr	6.0	%
175°C, 70 hr	11	%
200°C, 70 hr	16	%
Aging	Nominal Value	Unit
Change in Tensile Strength in Air (230°C, 70 hr)	-13	%
Change in Ultimate Elongation in Air (230°C, 70 hr)	12	%
Change in Durometer Hardness in Air (Shore A, 230°C, 70 hr)	0.0	
Thermal	Nominal Value	Unit
Brittleness Temperature	-20.0	°C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

