DAI-EL™ G-901

Fluoroelastomer

DAIKIN AMERICA, INC.

Message:

DAI-EL G-901 is a terpolymer suitable for various peroxide cure systems. G-901 can be formulated to eliminate the post cure process. G-901 is suitable for transfer and compression molding applications requiring excellent chemical and steam resistance.

General Information	
Features	Good Chemical Resistance Steam Resistant Terpolymer
Uses	Gaskets 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/cm³
Mooney Viscosity (ML 1+10, 121°C)	48	MU
Fluorine Content	71	%
Cure Temperature	160	°C
Cure Time - Curelastmeter	3.0	min
Gehman Torsion Test		
T10	-5	°C
T2	-1	°C
TR Test		
TR10	-8	°C
TR70	-2	°C
Hardness	**Nominal Value**	**Unit**
Durometer Hardness (Shore A, 25°C)	70	
Elastomers	**Nominal Value**	**Unit**
Tensile Stress (100% Strain, 25°C)	2.80	MPa
Tensile Strength (Yield, 25°C)	22.0	MPa
Tensile Elongation (Break, 25°C)	320	%

Tear Strength (25°C)	19.6	kN/m
Compression Set		
25°C, 70 hr	13	%
100°C, 70 hr	12	%
175°C, 70 hr	18	%
200°C, 70 hr	32	%

Aging	Nominal Value	Unit
Change in Tensile Strength in Air (230°C, 70 hr)	-22	%
Change in Ultimate Elongation in Air (230°C, 70 hr)	13	%
Change in Durometer Hardness in Air (Shore A, 230°C, 70 hr)	-1.0	

Thermal	Nominal Value	Unit
Brittleness Temperature	-26.0	°C

Recommended distributors for this material

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