DAI-EL™ G-902

Fluoroelastomer

DAIKIN AMERICA, INC.

Message:

DAI-EL G-902 is a low viscosity terpolymer suitable for various peroxide cure systems. G-902 can be formulated to eliminate the post cure process. G-902 is designed for compression, transfer, extrusion and injection molding applications that require excellent chemical and steam resistance.

General Information	
Features	Good Chemical Resistance Low Viscosity Steam Resistant Terpolymer
Uses	Profiles Seals Sheet Tubing
Appearance	Pink White
Forms	Pellets
Processing Method	Compression Molding Extrusion Injection Molding Resin Transfer Molding

Physical	Nominal Value	Unit
Specific Gravity	1.87 to 1.91	g/cm³
Mooney Viscosity (ML 1+10, 121°C)	19	MU
Fluorine Content	71	%
Cure Temperature	160	°C
Cure Time - Curelastmeter	2.6	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)	3.10	MPa
Tensile Strength (Yield, 25°C)	22.0	MPa
Tensile Elongation (Break, 25°C)	330	%
Tear Strength (25°C)	19.6	kN/m
Compression Set		
25°C, 70 hr	13	%
100°C, 70 hr	12	%
175°C, 70 hr	15	%
200°C, 70 hr	28	%
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)	14	%
Change in Durometer Hardness in Air (Shore A, 230°C, 70 hr)	2.0	
Thermal	**Nominal Value**	**Unit**
Brittleness Temperature	-26.0	°C

Recommended distributors for this material

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