

DAI-EL™ G-912

Fluoroelastomer

DAIKIN AMERICA, INC.

Message:

DAI-EL G-912 is a fluoroelastomer comprising terpolymer of vinylidene fluoride/tetrafluoroethylene/hexafluoropropylene. This material can be cured by peroxide. This material is of the grade of the highest fluorine content and provides excellent mechanical properties, acid, steam and chemical resistance and good compression set properties in comparison to the polyol cure series.

General Information			
Features	Good chemical resistance		
	acid resistance		
	Steam resistance		
	Terpolymer		
Appearance	Translucent		
	Transparent-Slightly Yellow		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	1.91	g/cm ³	JIS K6268
Mooney Viscosity (ML 1+10, 100°C)	77	MU	JIS K6300-1
Fluorine Content	70.5	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	74		
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	8.60	MPa	JIS K6251
Tensile Strength	19.4	MPa	JIS K6251
Tensile Elongation (Break)	160	%	JIS K6251
Compression Set ² (200°C, 70 hr)	16	%	
NOTE			
1.	23°C		
2.	25% compression		

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