



DAI-EL_{TM} G-912

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.

1. Properties of raw gum

Items	Data	Test method
Color	Translucent or light yellow	Visual observation
Fluorine content	70.5wt%	
Specific gravity (23°C)	1.91	JIS K 6268
Mooney viscosity (ML 1 + 10•100°C)	Approx. 77	JIS K 6300-1
Solubility	Soluble in low molecular weight ketones and esters	—

2. Physical properties (Cured)

Items	Unit	Data	Test method/condition
100% Modulus	MPa	8.6	JIS K 6251
Tensile strength	MPa	19.4	JIS K 6251
Elongation	%	160	JIS K 6251
Compression set	%	16	200°C × 70h, 25% compression
Hardness (Shore A)	—	74	Peak value

* The above numeric values are representative and not guaranteed.

(Compound formulation)

DAI-EL G-912	100 parts		
MT carbon black ^{*1}	20 parts	^{*1} Thermax N990	Cancarb Ltd.
Triallylisocyanurate ^{*2}	4 parts	^{*2} TAIC	Nippon Kasei Chemical Co., Ltd.
Peroxide ^{*3}	1.5 parts	^{*3} Perhexa 25B	NFO Corporation

(Cure conditions)

Press cure	160°C × 10min
Oven cure	180°C × 4h

3. Handling method/Safety information

Be sure to read the notes stated in MSDS and labels before use.

This product is supplied for general industry and therefore its adequacy and safety for medical applications cannot be guaranteed.

4. Packing specification 20kg

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