



DAI-EL_{TM} G-901

DAI-EL G-901 is a fluoroelastomer comprising terpolymer of vinylidene fluoride/ tetrafluoroethylene/ hexafluoropropylene. This material can be cured by peroxide, is of the highest fluorine content grade and provides excellent mechanical properties, and acid, steam and chemical resistance in comparison to polyol cure series.

1. Properties of raw gum

Items	Data	Test method
Color	Translucent or light pink	Visual observation
Fluorine content	70.5wt%	
Specific gravity (23°C)	1.91	JIS K 6268
Mooney viscosity (ML 1 + 10•100°C)	Approx. 95	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	2.9	JIS K 6251
Tensile strength	MPa	19.8	JIS K 6251
Elongation	%	340	JIS K 6251
Compression set	%	32	200°C × 70h, 25% compression
Hardness (Shore A)	—	70	Peak value

* The above numeric values are representative and not guaranteed.

(Compounding and vulcanizing conditions)

DAI-EL G-901	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

DAIKIN INDUSTRIES, LTD.
Chemical Division
Umeda Center Bldg.,
2-4-12, Nakazaki-Nishi, Kita-ku,
Osaka 530-8323, Japan
Phone: +81-6-6373-4342
Facsimile: +81-6-6373-4390
<http://www.daikin.com/chm>

DAIKIN AMERICA, INC.
20 Olympic Drive,
Orangeburg, NY 10962, USA
Phone: +1-845-365-9500
Toll-Free: +1-800-365-9570
Facsimile: +1-845-365-9598
<http://www.daikin-america.com>

DAIKIN CHEMICAL EUROPE
GmbH
Immermannstr. 65D,
40210 Dusseldorf, Germany
Phone: +49-211-179225-0
Facsimile: +49-211-1640732
<http://www.daikinchem.de>