



# DAI-EL™ G-621

DAI-EL G-621 is a fluoroelastomer comprising terpolymer of vinylidene fluoride/ tetrafluoroethylene/ hexafluoropropylene, contains a curing agent (bisphenol AF) and cure accelerator. This material is of the grade of the highest fluorine content and provides excellent solvent resistance.

## 1. Properties of raw gum

Items	Data	Test method
Color	Milky white or light yellow	Visual observation
Fluorine content	70.5wt%	
Specific gravity (23°C)	1.90	JIS K 6268
Mooney viscosity (ML 1 + 10·100°C)	Approx. 87	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	3.6	JIS K 6251
Tensile strength	MPa	15.4	JIS K 6251
Elongation	%	290	JIS K 6251
Compression set	%	29	200°C × 70h, 25% compression
Hardness (Shore A)	—	76	Peak value

\* The above numeric values are representative and not guaranteed.

### (Compound formulation)

DAI-EL G-621	100 parts		
MT carbon black <sup>*1</sup>	20 parts	<sup>*1</sup> Thermax N990	Cancarb Ltd.
Calcium hydroxide <sup>*2</sup>	6 parts	<sup>*2</sup> Caldic 2000	Ohmi Chemical Industry Co., Ltd.
Magnesium hydroxide (High activity) <sup>*3</sup>	3 parts	<sup>*3</sup> Kyowa Mag 150	Kyowa Chemical Industrial Co., Ltd.

### (Cure conditions)

Press cure	170°C × 10min
Oven cure	230°C × 24h

### 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>