



DAI-EL_{TM} G-551

DAI-EL G-551 is a fluoroelastomer comprising terpolymer of vinylidene fluoride/ tetrafluoroethylene/ hexafluoropropylene, and contains a curing agent (bisphenol AF) and cure accelerator and demonstrates a good balance of solvent resistance and low temperature performance.

1. Properties of raw gum

Items	Data	Test method
Color	Milky white or light yellow	Visual observation
Fluorine content	68.5wt%	
Specific gravity (23°C)	1.87	JIS K 6268
Mooney viscosity (ML 1 + 10 • 100°C)	Approx. 83	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	4.1	JIS K 6251
Tensile strength	MPa	15.3	JIS K 6251
Elongation	%	230	JIS K 6251
Compression set	%	25	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-551	100 parts		
MT carbon black ^{*1}	20 parts	^{*1} Thermax N990	Cancarb Ltd.
Calcium hydroxide ^{*2}	6 parts	^{*2} Caldic 2000	Ohmi Chemical Industry Co., Ltd.
Magnesium hydroxide (High activity) ^{*3}	3 parts	^{*3} Kyowa Mag 150	Kyowa Chemical Industrial Co., Ltd.

(Cure conditions)

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

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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