



DAI-EL_{TM} G-558

DAI-EL G-558 is a fluoroelastomer comprising terpolymer of vinylidene fluoride/ tetrafluoroethylene/ hexafluoropropylene, contains a curing agent (bisphenol AF) and cure accelerator. This material does not contain processing aid but provides high extruding properties by optimizing the molecular weight distribution.

1. Properties of raw gum

Items	Data	Test method
Color	Milky white or light pink	Visual observation
Fluorine content	69wt%	
Specific gravity (23°C)	1.87	JIS K 6268
Mooney viscosity (ML 1 + 10•100°C)	Approx. 42	JIS K 6300-1
Solubility	Soluble in low molecular weight ketones and esters	—

2. Physical properties (Cured)

Items	Unit	Data	Test method/condition
100% tensile stress	MPa	2.4	JIS K 6251
Tensile strength	MPa	12.0	JIS K 6251
Elongation	%	340	JIS K 6251
Compression set	%	28	200°C × 70h, 25% compression
Hardness (Shore A)	—	69	Peak value

* The above numeric values are representative and not guaranteed.

(Compound formulation)

DAI-EL G-558	100 parts		
MT carbon black ^{*1}	13 parts	^{*1} SEAST S	Tokai Carbon Co., Ltd.
Calcium hydroxide ^{*2}	6 parts	^{*2} Caldic 2000	Ohmi Chemical Industry Co., Ltd.
Magnesium hydroxide (High active) ^{*3}	3 parts	^{*3} Kyowa Mag 150	Kyowa Chemical Industrial Co., Ltd.

(Cure conditions)

Press cure	160°C × 45min (The original state physical property is that of the press only)
Oven cure	230°C × 24h (Data of only CS is that after oven vulcanization)

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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