DAI-EL$_{TM}$ G-7801

DAI-EL G-7801 is a fluoroelastomer comprising copolymer of vinylidenefluoride and hexafluoropropylene, and contains a curing agent (bisphenol AF) and cure accelerator. This material provides excellent mold flow and sealing performance.

1. Properties of raw gum

Items	Data	Test method
Color	Milky white	Visual observation
Fluorine content	66wt%	
Specific gravity (23°C)	1.81	JIS K 6268
Mooney viscosity (ML 1 + 10･100°C)	Approx. 93	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	4.5	JIS K 6251
Tensile strength	MPa	13.9	JIS K 6251
Elongation	%	200	JIS K 6251
Compression set	%	9	200°C × 70h, 25% compression
Hardness (Shore A)	–	71	Peak value

* The above numeric values are representative and not guaranteed.

(Compound formulation)

DAI-EL G-7801	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 × 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

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