DAI-EL$_{TM}$ G-801

DAI-EL G-801 is a fluoroelastomer comprising copolymer of vinylidenefluoride/ hexafluoropropylene, which can be cured by peroxide. In comparison to the grade of polyol curing material, this material provides excellent mechanical properties, and bending, acid and steam resistance.

1. Properties of raw gum

Items	Data	Test method
Color	Translucent or light yellow	Visual observation
Fluorine content	66wt%	
Specific gravity (23°C)	1.80	JIS K 6268
Mooney viscosity (ML 1 + 10･100°C)	Approx. 70	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	1.9	JIS K 6251
Tensile strength	MPa	22.7	JIS K 6251
Elongation	%	440	JIS K 6251
Compression set	%	38	200°C × 70h, 25% compression
Hardness (Shore A)	–	66	Peak value

* The above numeric values are representative and not guaranteed.

(Compound formulation)

DAI-EL G-801	100 parts		
MT carbon black [*1]	20 parts	[*1] Thermax N990	Cancarb Ltd.
Triallyl isocyanurate [*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

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