



DAI-EL_{TM} G-501NK

DAI-EL G-501NK is a fluoroelastomer comprising terpolymer of vinylidene fluoride/ tetrafluoroethylene/ hexafluoropropylene, which can be cured by polyamine and provides good mechanical property in particular.

1. Properties of raw gum

Items	Data	Test method
Color	Milky white or light yellow	Visual observation
Fluorine content	68wt%	
Specific gravity (23°C)	1.84	JIS K 6268
Mooney viscosity (ML 1 + 10•100°C)	Approx. 110	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	18.7	JIS K 6251
Elongation	%	280	JIS K 6251
Compression set	%	65	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-501NK	100 parts		
MT carbon black ^{*1}	20 parts	^{*1} Thermax N990	Cancarb Ltd.
Calcium hydroxide (low activity) ^{*2}	15 parts	^{*2} Kyowa Mag MA30	Kyowa Chemical Industrial Co., Ltd.
Curing agent V-3 ^{*3}	5 parts	^{*3} Curing agent V-3	Daikin Industries, Ltd.

(Cure conditions)

Press cure	160°C × 20min
Oven cure	200°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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