



DAI-EL_{TM} LT-252

DAI-EL LT-252 is a fluoroelastomer which can be cured by peroxide whose cold temperature resistance, a drawback of conventional fluoroelastomer, has been improved. It offers excellent mechanical properties, and bending and acid resistance, etc. The TR10 of this material is -25°C, providing excellent low-temperature sealing performance and solvent resistance.

1. Properties of crude rubber

Items	Data	Test method
Appearance	Translucent or light yellow	Visual observation
Fluorine concentration	66.5wt%	
Specific gravity (23°C)	1.86	JIS K 6268
Mooney viscosity (ML 1 + 10•100°C)	Approx. 40	JIS K 6300-1
Solubility	Soluble in low molecular weight ketones and esters	—

2. Characteristic of vulcanized rubber

Items	Unit	Data	Test method/condition
100% tensile stress	MPa	2.6	JIS K 6251
Tensile strength	MPa	17.4	JIS K 6251
Elongation	%	260	JIS K 6251
Compression set	%	29	200°C × 70h, 25% compression
Hardness (Shore A)	—	66	Peak value

* The above numeric values are representative and not guaranteed.

(Compounding and vulcanizing conditions)

DAI-EL LT-252	100 parts		
MT carbon black ^{*1}	20 parts	^{*1} Thermax N990	Cancarb Ltd.
Triarylisocyanate ^{*2}	3 parts	^{*2} TAIC	Nippon Kasei Chemical Co., Ltd.
PERHEXA 25B ^{*3}	1 parts	^{*3} PERHEXA 25B	NFO Corporation

(Vulcanizing conditions)

Press vulcanization	160°C × 10min
Oven vulcanization	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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