DAIKIN | Positively Innovative

Fluoroelastomer

DAI-EL G-343

TECHNICAL DATASHEET

DAI-EL G-343 is a fluoroelastomer which has good fluidity of molding.

Introduction

- DAI-EL G-343 is a cure-incorporated copolymer of vinylidene fluoride and hexafluoropropylene which has good fluidity of molding.
- It is suitable for injection molding and transfer molding.

General physical properties—Product[*1]

Items	Data	Test method
Color	Milky white to pale yellow	Visual observation
Fluorine Content	66 mass%	—
Specific Gravity (23°C)	1.81	ASTM D792
Mooney Viscosity (ML_{1+10})	40(100°C), 23(121°C)	ASTM D1646
Solubility	Soluble in lower ketones and esters	—

General physical properties—Vulcanizate[*1*2]

Items	Units	Numeric Value	Test method
100% Tensile Stress	MPa	3.2	ASTM D412
Tensile Strength	MPa	13.6	ASTM D412
Elongation at Break	%	280	ASTM D412
Compression Set	%	21	200°C×70h,25% compression [*3]
Hardness (Shore A)	—	72(peak), 64(3sec)	ASTM D2240
Low Temperature Retraction (TR10)	°C	-18	ASTM D1329

[*1] The above values are representative and not guaranteed.

[*2] [Formula] DAI-EL G-343: 100 phr, MT carbon black (N990): 20 phr, Calcium hydroxide: 6 phr, Magnesium Oxide (high-active): 3 phr, [Curing condition] Press cure: 10min@170°C, Oven cure: 24hrs@230°C.

[*3] P-24 O-ring.

Handling method/Safety information

- Be sure to read the notes on SDS and labels before use.
- This product is intended for general industry, and therefore its adequacy and safety as a raw material for medical purposes cannot be guaranteed.
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Packing specification

- 20Kg