DAIKIN | Positively Innovative

Fluoroelastomer

DAI-EL G-9062

TECHNICAL DATASHEET

DAI-EL G-9062 is a fluoroelastomer which provides excellent compression set and resistance to steam and acids.

Introduction

- DAI-EL G-9062 is a peroxide curable terpolymer of vinylidene fluoride, tetrafluoroethylene and hexafluoropropylene which has excellent **mold flow**. It is suitable for injection molding.
- It provides excellent **compression set** and **resistance to steam and acids**. It has highest fluorine content of all grades, which provides excellent **chemical resistance**.

General physical properties—Product[*1]

Items	Data	Test method
Color	Translucent to pale yellow	Visual observation
Fluorine Content	70.5 mass%	—
Specific Gravity (23°C)	1.91	ASTM D792
Mooney Viscosity (ML_{1+10})	42 (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	4.6	ASTM D412
Tensile Strength	MPa	20.6	ASTM D412
Elongation at Break	%	220	ASTM D412
Compression Set	%	15	70hrs@200°C, 25% compression[*3]
Hardness (Shore A)	—	71 (peak), 67 (3sec)	ASTM D2240
Low Temperature Retraction (TR10)	°C	-6	ASTM D1329

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

[*2] [Formula] DAI-EL G-9062: 100 phr, MT carbon black (N990): 20 phr, Triallylisocyanurate (100% active): 4 phr, 2,5-dimethyl-2,5-di(t-butylperoxy)hexane (100% active): 1.5 phr, [Curing condition] Press cure: 10min@160°C, Post cure: 4hrs@180°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.

Packing specification

- 20kg

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