

Fluoroelastomer DAI-EL G-603

 TECHNICAL
DATASHEET

DAI-EL G-603 is a fluoroelastomer which provides excellent fluid resistance and very low fuel permeation rates.

Introduction

- DAI-EL G-603 is a bisphenol type cure-incorporated terpolymer of vinylidene fluoride, tetrafluoroethylene and hexafluoropropylene which is suitable for transfer and compression molding.
- It has highest fluorine content of all grades, which provides excellent **fluid resistance** and very low **fuel permeation rates**.

General physical properties—Product*1

Items	Data	Test method
Color	Milky white to pale yellow	Visual observation
Fluorine Content	70.5 mass%	—
Specific Gravity (23°C)	1.90	ASTM D792
Mooney Viscosity (ML ₁₊₁₀)	57 (100°C), 31 (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	3.3	ASTM D412
Tensile Strength	MPa	12.8	ASTM D412
Elongation at Break	%	310	ASTM D412
Compression Set	%	50	70hrs@200°C, 25% compression*3
Hardness (Shore A)	—	74 (peak), 68 (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-603: 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, Post 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.

Packing specification

- 20kg

For more information, visit our website.

DAIKIN INDUSTRIES, LTD.

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