DAIKIN | Positively Innovative

Fluoroelastomer

DAI-EL G-8002L

TECHNICAL DATASHEET

DAI-EL G-8002L is a fluoroelastomer which provides excellent mold flow with superior chemical resistance.

Introduction

- DAI-EL G-8002L is a peroxide curable copolymer of vinylidene fluoride and hexafluoropropylene which provides excellent **mold flow**. It is suitable for extrusion and injection molding.
- It provides superior **chemical resistance** compared with bisphenol curable products.

General physical properties—Product[*1]

Items	Data	Test method
Color	White to pale blown	Visual observation
Fluorine Content	66 mass%	—
Specific Gravity (23°C)	1.81	ASTM D792
Mooney Viscosity (ML_{1+10})	33 (100°C), 15 (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	2.0	ASTM D412
Tensile Strength	MPa	22.0	ASTM D412
Elongation at Break	%	350	ASTM D412
Compression Set	%	23	70hrs@200°C, 25% compression[*3]
Hardness (Shore A)	—	66 (peak), 63 (3sec)	ASTM D2240
Low Temperature Retraction (TR10)	°C	-19	ASTM D1329

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

[*2] [Formula] DAI-EL G-8002L: 100 phr, MT carbon black (N990): 20 phr, Triallylisocyanurate (70% active): 5.7 phr, 2,5-dimethyl-2,5-di(t-butylperoxy)hexane (45% active): 3.3 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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