

Fluoroelastomer DAI-EL G-562

 TECHNICAL
DATASHEET

DAI-EL G-562 is a fluoroelastomer which offers excellent elongation at break and adhesion to metal. It provides a good balance of chemical resistance and cold temperature flexibility.

Introduction

- DAI-EL G-562 is a cure-incorporated terpolymer of vinylidene fluoride, tetrafluoroethylene and hexafluoropropylene which is suitable for compression molding.
- It offers excellent **elongation at break** and adhesion to metal .
- It provides a good balance of **chemical resistance** and **cold temperature flexibility**.

General physical properties—Product*1

Items	Data	Test method
Color	Milky white to pale yellow	Visual observation
Fluorine Content	68.5 mass%	—
Specific Gravity (23°C)	1.87	ASTM D792
Mooney Viscosity (ML ₁₊₁₀)	77(100°C), 47(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	2.6	ASTM D412
Tensile Strength	MPa	14.7	ASTM D412
Elongation at Break	%	330	ASTM D412
Compression Set	%	40	70hrs@200°C, 25% compression*3
Hardness (Shore A)	—	71(peak), 64(3sec)	ASTM D2240
Low Temperature Retraction (TR10)	°C	-14	ASTM D1329

*1 The above values are representative and not guaranteed.

*2 [Formula] DAI-EL G-562: 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 / Safety information

- Be sure to read the Safety Data Sheet (SDS) and precautions on the label before using.
- This product has been developed for industrial purposes and we shall not guarantee the safety if used for any other purposes. If it is going to be used for medical or food applications, please contact us in advance.

Packing specification

- 20kg

For more information, visit our website.

DAIKIN INDUSTRIES, LTD.

<https://www.daikinchemicals.com/>