

# Fluoroelastomer DAI-EL G-383

 TECHNICAL  
DATASHEET

DAI-EL G-383 is a fluoroelastomer which provides excellent compression set.

## Introduction

- DAI-EL G-383 is a cure-incorporated copolymer of vinylidene fluoride and hexafluoropropylene which is suitable for compression molding.
- It has excellent compression set.

## General physical properties—Product\*<sup>1</sup>

| 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 <sub>1+10</sub> ) | 65(100°C), 40(121°C)                | ASTM D1646         |
| Solubility                             | Soluble in lower ketones and esters | —                  |

## General physical properties—Vulcanizate\*<sup>1\*2</sup>

| Items                             | Units | Numeric Value      | Test method                               |
|-----------------------------------|-------|--------------------|---|
| 100% Tensile Stress               | MPa   | 3.3                | ASTM D412                                 |
| Tensile Strength                  | MPa   | 14.0               | ASTM D412                                 |
| Elongation at Break               | %     | 290                | ASTM D412                                 |
| Compression Set                   | %     | 14                 | 200°C×70h, 25% compression * <sup>3</sup> |
| Hardness (Shore A)                | —     | 70(peak), 65(3sec) | ASTM D2240                                |
| Low Temperature Retraction (TR10) | °C    | -18                | ASTM D1329                                |

\*<sup>1</sup> The above values are representative and not guaranteed.

\*<sup>2</sup> [Formula] DAI-EL G-383: 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.

\*<sup>3</sup> 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 purpose 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.

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