

# DAI-EL™ G-558

Fluoroelastomer

DAIKIN AMERICA, INC.

## Message:

DAI-EL G-558 is a fluoroelastomer comprising terpolymer of vinylidene fluoride/tetrafluoroethylene/hexafluoropropylene, contains a curing agent (bisphenol AF) and cure accelerator. This material does not contain processing aid but provides high extruding properties by optimizing the molecular weight distribution.

| General Information                         |                     |                   |             |
|---------------------------------------------|---------------------|-------------------|-------------|
| Features                                    | Terpolymer          |                   |             |
| Appearance                                  | Pink<br>milky white |                   |             |
| Physical                                    | Nominal Value       | Unit              | Test Method |
| Specific Gravity <sup>1</sup>               | 1.87                | g/cm <sup>3</sup> | JIS K6268   |
| Mooney Viscosity (ML 1+10, 100°C)           | 42                  | MU                | JIS K6300-1 |
| Fluorine Content                            | 69.0                | wt%               |             |
| Hardness                                    | Nominal Value       | Unit              | Test Method |
| Durometer Hardness (Shore A)                | 69                  |                   |             |
| Elastomers                                  | Nominal Value       | Unit              | Test Method |
| Tensile Stress (100% Strain)                | 2.40                | MPa               | JIS K6251   |
| Tensile Strength                            | 12.0                | MPa               | JIS K6251   |
| Tensile Elongation (Break)                  | 340                 | %                 | JIS K6251   |
| Compression Set <sup>2</sup> (200°C, 70 hr) | 28                  | %                 |             |
| NOTE                                        |                     |                   |             |
| 1.                                          | 23°C                |                   |             |
| 2.                                          | 25% compression     |                   |             |

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