# DAI-EL™ G-701

Fluoroelastomer

DAIKIN AMERICA, INC.

## Message:

DAI-EL G-701 is a cure-incorporated copolymer with medium Mooney viscosity. It is designed especially for compression molding of o-rings and other applications that require good heat resistance and compression set.

| General Information | | | |
|---|---|---|---|
| Features | Copolymer<br>Fast Cure<br>Low Compression Set<br>Medium Viscosity | | |
| Uses | Gaskets<br>Seals<br>Tubing | | |
| Appearance | Cream<br>White | | |
| Forms | Pellets | | |
| Processing Method | Compression Molding | | |
| **Physical** | **Nominal Value** | **Unit** | |
| Specific Gravity | 1.81 | g/cm³ | |
| Mooney Viscosity (ML 1+10, 121°C) | 41 | MU | |
| Carbon Black Content [1] | 30 | % | |
| Fluorine Content | 66 | % | |
| **Hardness** | **Nominal Value** | **Unit** | |
| Durometer Hardness [2] (Shore A, 25°C) | 76 | | |
| **Elastomers** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Stress | | | |
| 100% Strain, 25°C [3] | 7.20 | MPa | |
| 100% Strain, 25°C [4] | 6.30 | MPa | |
| Tensile Strength | | | |
| Yield, 25°C [5] | 14.7 | MPa | |
| Yield, 25°C [6] | 13.7 | MPa | |
| Tensile Elongation [7] (Break, 25°C) | 190 | % | |
| Compression Set | | | ASTM D395B |
| 200°C, 70 hr [8] | 22 | % | |
| 200°C, 70 hr [9] | 20 | % | |

| Thermal | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Brittleness Temperature | -18.0 | °C | ASTM D1329 |
| NOTE | | | |
| 1. | MT, N-990 | | |
| 2. | MDR 2000, Strain: 0.5°, Test time: 6 min | | |
| 3. | ODR, Strain: 3°, Test time: 12 min | | |
| 4. | MDR 2000, Strain: 0.5°, Test time: 6 min | | |
| 5. | ODR, Strain: 3°, Test time: 12 min | | |
| 6. | MDR 2000, Strain: 0.5°, Test time: 6 min | | |
| 7. | ODR, Strain: 3°, Test time: 12 min | | |
| 8. | MDR 2000, Strain: 0.5°, Test time: 6 min | | |
| 9. | ODR, Strain: 3°, Test time: 12 min | | |



## Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China