

# DAI-EL™ LT-303

Fluoroelastomer

DAIKIN AMERICA, INC.

## Message:

DAI-EL LT-303 is a terpolymer suitable for various peroxide cure systems. LT-303 can be formulated to eliminate the post cure process. LT-303 is designed for transfer and compression molding applications that require a balance between good low temperature flexibility and high elongation.

| General Information                  |                                 |                   |             |
|--------------------------------------|---------------------------------|-------------------|-------------|
| Features                             | Flexibility at low temperatures |                   |             |
|                                      | Terpolymer                      |                   |             |
|                                      | Extended tensile rate           |                   |             |
| Uses                                 | Washer                          |                   |             |
|                                      | Seals                           |                   |             |
| Appearance                           | White                           |                   |             |
|                                      | Pink                            |                   |             |
| Forms                                | Particle                        |                   |             |
| Processing Method                    | Compression molding             |                   |             |
| Physical                             | Nominal Value                   | Unit              | Test Method |
| Specific Gravity                     | 1.79                            | g/cm <sup>3</sup> | ASTM D792   |
| Mooney Viscosity (ML 1+10, 121°C)    | 25                              | MU                | ASTM D1646  |
| Hardness                             | Nominal Value                   | Unit              | Test Method |
| Durometer Hardness (Shore A)         | 69                              |                   | ASTM D2240  |
| Elastomers                           | Nominal Value                   | Unit              | Test Method |
| Tensile Stress (100% Strain)         | 2.60                            | MPa               | ASTM D412   |
| Tensile Strength (Yield)             | 18.0                            | MPa               | ASTM D412   |
| Tensile Elongation (Break)           | 350                             | %                 | ASTM D412   |
| Compression Set (200°C, 70 hr)       | 25                              | %                 | ASTM D395   |
| Aging                                | Nominal Value                   | Unit              | Test Method |
| Change in Tensile Strength in Air    |                                 |                   | ASTM D573   |
| 200°C, 70 hr                         | -1.0                            | %                 | ASTM D573   |
| 230°C, 70 hr                         | -15                             | %                 | ASTM D573   |
| Change in Ultimate Elongation in Air |                                 |                   | ASTM D573   |
| 200°C, 70 hr                         | -10                             | %                 | ASTM D573   |
| 230°C, 70 hr                         | -9.0                            | %                 | ASTM D573   |
| Change in Durometer Hardness in Air  |                                 |                   | ASTM D573   |
| Support a, 200°C, 70 hr              | 2.0                             |                   | ASTM D573   |
| Support a, 230°C, 70 hr              | 1.0                             |                   | ASTM D573   |

#### Additional Information

All tests performed were performed under DAIKIN test methods  
Fluorine Content: 65%  
Curing characteristic, Measuring Temperature: 160°C  
Curing characteristic, Curelastomer: 2.3 min  
Curing characteristic, Measuring Temperature: 177°C  
Curing characteristic, Curelastomer: 0.8 min  
TR test, TR10: -32°C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### 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

