

SQUARE® LIM1939-40AF4/BF4

Silicone Rubber, LSR
Shenzhen SQUARE Silicone Co., Ltd.

Message:

Liquid silicone rubber materials for O-ring gasket

Product Description

LIM1939-XXA/B and LIM1919-XXA/B are 2-part liquid silicone rubber catalyzed by platinum with long usable life and excellent performance, suitable for injection molding processes.

Key Features

Outstanding oil or water - proof performance.

Outstanding weather resistance.

High tear strength.

Outstanding resistance to aging.

Low yellowing.

The safe operating period is 5 days under airproof condition and 20°C after mixing component A and B, the safe operating period will decrease with the increasing of the temperature.

Applications

O-ring gasket for industrial sealed parts

| General Information | | | |
|------------------------------|--------------------------------|------|-------------|
| Features | Moisture resistance | | |
| | Good tear strength | | |
| | Good weather resistance | | |
| | Oil resistance | | |
| Uses | Washer | | |
| | Industrial application | | |
| Appearance | Clear/transparent | | |
| Processing Method | Liquid Injection Molding (LIM) | | |
| Physical | Nominal Value | Unit | Test Method |
| Molding Shrinkage - Flow | 2.3 | % | JIS K6301 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 41 | | ASTM D2240 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Set ¹ | 3 | % | ASTM D412 |
| Tensile Strength | 10.0 | MPa | ASTM D412 |
| Tensile Elongation (Break) | 790 | % | ASTM D412 |
| Tear Strength ² | 27.6 | kN/m | ASTM D624 |
| Thermoset | Nominal Value | Unit | Test Method |
| Thermoset Components | | | |
| Component a | Mixing ratio by weight: 1.0 | | |
| Component B | Mixing ratio by weight: 1.0 | | |
| Pot Life (20°C) | 7200 | min | |

| Shelf Life | 52 | wk | |
|--------------------|---------------|------|-------------|
| Uncured Properties | Nominal Value | Unit | Test Method |
| Viscosity | | | DIN 53019 |
| -- ³ | 1100 | Pa·s | DIN 53019 |
| -- ⁴ | 1200 | Pa·s | DIN 53019 |
| Cured Properties | Nominal Value | Unit | Test Method |
| Rebound Resilience | 60 | % | |
| NOTE | | | |
| 1. | C mould | | |
| 2. | B mould | | |
| 3. | Part B | | |
| 4. | Part A | | |

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

