

SQUARE® LIM3919-40A/B

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

Message:

Liquid silicone rubber material for kitchenwares

Product Description

SQUARE® LIM3919-XXA/B is high strength 2-part liquid silicone rubber suitable for injection molding processes, catalyzed by platinum.

Key Features

Good rebound property

Excellent thermal and cold stability(-60°C to 250°C)

Low yellowing

Outstanding resistance to ageing

Meeting US FDA CFR21. Part .177.2600,EN14350.2

At the temperature of 20°C and in the condition of air-proof, the shelf life is 5 days after mixing A and B, the shelf life will decrease with the increasing of the temperature.

Applications

SQUARE® LIM3919-XXA/B is suitable for making kitchenwares.

| General Information | | | |
|--------------------------------|--------------------------------|-------------------|-------------|
| Features | High strength | | |
| | Thermal stability, good | | |
| Uses | Kitchen utensils | | |
| Agency Ratings | FDA 21 CFR 177.2600 | | |
| Appearance | Translucent | | |
| Processing Method | Liquid Injection Molding (LIM) | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.08 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow | 2.0 | % | JIS K6301 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 40 | | ASTM D2240 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Strength | 5.50 | MPa | ASTM D412 |
| Tensile Elongation (Break) | 400 | % | ASTM D412 |
| Tear Strength ¹ | 13.0 | kN/m | ASTM D624 |
| Compression Set (175°C, 22 hr) | 10 | % | DIN 53517 |
| 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 | 300 | Pa · s | DIN 53019 |

NOTE

1. B mould

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