

# SQUARE® LIM3600-20A/B

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

Message:

Silicone rubber for goggles

Product Description

SQUARE LIM3600-XXA/B is high transparence and mechnical strength, 2-part liquid silicone rubber, suitable for injection moulding processes, catalyzed by platinum.

Key Features

High transparence

High tensile and tear strength

Good rebound property

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

Low yellowing

Outstanding resistance to ageing

Meet 4.9 of volatile compound testing standard and europe RoHS standard.

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

Goggles and other products contacted with food

| General Information            |                                |                   |             |
|--------------------------------|--------------------------------|-------------------|-------------|
| Features                       | High tensile strength          |                   |             |
|                                | High strength                  |                   |             |
|                                | Good tear strength             |                   |             |
|                                | Definition, high               |                   |             |
|                                | Thermal stability, good        |                   |             |
|                                | Compliance of Food Exposure    |                   |             |
| Uses                           | Non-specific food applications |                   |             |
| RoHS Compliance                | RoHS compliance                |                   |             |
| Appearance                     | Clear/transparent              |                   |             |
| Processing Method              | Liquid Injection Molding (LIM) |                   |             |
| Physical                       | Nominal Value                  | Unit              | Test Method |
| Specific Gravity               | 1.08                           | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow       | 2.0                            | %                 | JIS K6301   |
| Hardness                       | Nominal Value                  | Unit              | Test Method |
| Durometer Hardness (Shore A)   | 20                             |                   | ASTM D2240  |
| Elastomers                     | Nominal Value                  | Unit              | Test Method |
| Tensile Strength               | 7.00                           | MPa               | ASTM D412   |
| Tensile Elongation (Break)     | 800                            | %                 | ASTM D412   |
| Tear Strength <sup>1</sup>     | 15.0                           | kN/m              | ASTM D624   |
| Compression Set (175°C, 22 hr) | 25                             | %                 | DIN 53517   |
| Thermoset                      | Nominal Value                  | Unit              | Test Method |
| Pot Life (20°C)                | 7200                           | min               |             |

|                    |               |      |             |
|--------------------|---------------|------|-------------|
| Shelf Life         | 52            | wk   |             |
| Uncured Properties | Nominal Value | Unit | Test Method |
| Viscosity          | 900           | Pa·s | DIN 53019   |
| NOTE               |               |      |             |
| 1.                 | B mould       |      |             |

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