

# SQUARE® LIM1530-35A/B

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

Message:

Semi-conductive liquid silicone rubber material for cold shrink cable accessories

Product Description

The product is one kind of 2-part conductive liquid silicone rubber, catalyzed by platinum, mixing ratio of parts A:B=1:1.

Key Features

Resistivity: <100ohm.cm

High elongation suitable for making sheet without crack

Low shrinkage,good rebound

Stable resistivity

Suitable for injection molding

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

Suitable for insulator terminals or connector's stress cone semi-conductor

| General Information          |                                |           |             |
|------------------------------|--------------------------------|-----------|-------------|
| Features                     | Semi-conductive                |           |             |
|                              | Low shrinkage                  |           |             |
|                              | Extended tensile rate          |           |             |
| Uses                         | Electrical components          |           |             |
|                              | Wire and cable applications    |           |             |
|                              | Sheet                          |           |             |
| Processing Method            | Liquid Injection Molding (LIM) |           |             |
| Hardness                     | Nominal Value                  |           | Test Method |
| Durometer Hardness (Shore A) | 40                             |           | ASTM D2240  |
| Elastomers                   | Nominal Value                  | Unit      | Test Method |
| Tensile Set <sup>1</sup>     | 4                              | %         | ASTM D412   |
| Tensile Strength             | 6.00                           | MPa       | ASTM D412   |
| Tensile Elongation (Break)   | 650                            | %         | ASTM D412   |
| Tear Strength <sup>2</sup>   | 20.0                           | kN/m      | ASTM D624   |
| Electrical                   | Nominal Value                  | Unit      |             |
| Volume Resistivity           | 50                             | ohms · cm |             |
| Thermoset                    | Nominal Value                  | Unit      |             |
| 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      |             |

|                     |         |    |
|---------------------|---------|----|
| Curing Time (170°C) | 0.17    | hr |
| NOTE                |         |    |
| 1.                  | C mould |    |
| 2.                  | B mould |    |

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