

# SQUARE® SSR2026-50A/B

Silicone

Shenzhen SQUARE Silicone Co., Ltd.

Message:

Silicone rubber for medical pipe catalyzed by platinum in extruding mould

Product Description

2-part high strength solid silicone rubber, catalyzed by platinum.

Key Feature

Good transparence

High tensile strength and tear strength

None post cure

Rapid vulcanization

Excellent thermal stability

Excellent weather resistance

Low yellowing

Application

Soft transparent pipe in extrusion or compression molding process

| General Information          |                          |                   |             |
|------------------------------|--------------------------|-------------------|-------------|
| Features                     | High tensile strength    |                   |             |
|                              | High strength            |                   |             |
|                              | Fast curing              |                   |             |
|                              | Good tear strength       |                   |             |
|                              | Good weather resistance  |                   |             |
|                              | Definition, high         |                   |             |
|                              | Thermal stability, good  |                   |             |
| Uses                         | Piping system            |                   |             |
|                              | Medical/nursing supplies |                   |             |
| Appearance                   | Clear/transparent        |                   |             |
| Processing Method            | Extrusion                |                   |             |
|                              | Compression molding      |                   |             |
| Physical                     | Nominal Value            | Unit              | Test Method |
| Specific Gravity             | 1.18                     | g/cm <sup>3</sup> | ASTM D792   |
| Hardness                     | Nominal Value            | Unit              | Test Method |
| Durometer Hardness (Shore A) | 50                       |                   | ASTM D2240  |
| Elastomers                   | Nominal Value            | Unit              | Test Method |
| Tensile Strength             | 11.1                     | MPa               | ASTM D412   |
| Tensile Elongation (Break)   | 780                      | %                 | ASTM D412   |
| Tear Strength <sup>1</sup>   | 34.3                     | kN/m              | ASTM D624   |
| Thermoset                    | Nominal Value            | Unit              |             |
| Shelf Life                   | 100                      | wk                |             |

| Uncured Properties  | Nominal Value | Unit |
|---------------------|---------------|------|
| Curing Time (150°C) | 0.083         | hr   |
| NOTE                |               |      |
| 1.                  | B mould       |      |

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