



## Technical Data Sheet

### DOWSIL™ SR 2472 Resin

#### Features & Benefits

- Can provide silicone release film on substrates
- Cured by high temperature
- Complies with Japan Food regulation for cookware

#### Composition

- Silicone resin solution (isoparaffin, toluene)

#### Applications

- Release coating

#### Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

| Property                | Unit               | Result                          |
|-------------------------|--------------------|---------------------------------|
| Appearance              |                    | Colorless to pale yellow liquid |
| Specific gravity (25°C) |                    | 0.8                             |
| Viscosity               | mm <sup>2</sup> /s | 2                               |

#### Description

DOWSIL™ SR 2472 Resin is a silicone coating dispersion. The product can provide rigid silicone coating on metal substrates after drying and cured at high temperature.

DOWSIL™ SR 2472 Resin complies with Japan Food regulation for cookware.

#### How to Use

Substrate surface should be cleaned and dried before coating in order to get good silicone coating. The resin solution can be applied by various methods such as spraying, dipping, or brushing. Excellent release coating can be obtained by drying and curing at high temperature.

#### Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

**Usable Life and Storage**

When stored at or below 25°C (77°F) in the original unopened containers, this product has a usable life of 12 months from the date of production.

**Packaging Information**

This product is available in different standard container sizes. Detailed container size information should be obtained from your nearest Dow sales office or Dow distributor.

**Table 1: Film hardness of DOWSIL™ SR 2472 Resin**

(These data are not specifications.)

|                    | Appearance       | Pencil hardness |
|--------------------|------------------|-----------------|
| 230°C, 60 minutes  | Colorless, clear | 4H              |
| 230°C, 120 minutes | Colorless, clear | 6H              |

**Table 2: Film release force of DOWSIL™ SR 2472 Resin**

(These data are not specifications.)

|               | Unit |     | Test conditions                                 |
|---------------|------|-----|---|
| Release force | N/m  | 1.5 | Polyester tape (38 mm)<br>Velocity 0.3 m/minute |

Cure Conditions 230°C x 60 minutes

**Limitations**

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

**Health and Environmental Information**

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, [dow.com](http://dow.com), or consult your local Dow representative.

**Disposal Considerations**

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

**Product Stewardship**

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products — from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

## Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

## How Can We Help You Today?

Tell us about your performance, design, and manufacturing challenges. Let us put our silicon-based materials experience, application knowledge, and processing experience to work for you.

**For more information** about our materials and capabilities, visit **dow.com**.

To discuss how we could work together to address your specific needs, go to **dow.com** for a contact close to your location. Dow has customer service teams, science and technology centers, application support teams, sales offices, and manufacturing sites around the globe.

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