

## Tospearl™ 1100 Fine Particle Silicone Resin

### Description

Tospearl 1100 is a silicone micro resin used as an additive in the manufacture of coatings, plastics, rubbers, paints, etc. to provide a number of characteristics specific to silicone, such as water repellency and lubricity. Additionally, Tospearl 1100 silicone micro resin offers low specific gravity (compared to most conventional inorganic fine powders), as well as excellent heat resistance.

### Performance Properties (Key Features/Typical Benefits)

- Excellent water repellency
- Excellent lubricity (light lubrication)
- Low specific gravity (relative to most conventional inorganic fine powders)
- Exceptional heat resistance
- Insolubility in organic solvents
- Low cohesiveness
- Truly spherical silica fine particles upon calcification

### Typical Physical Properties

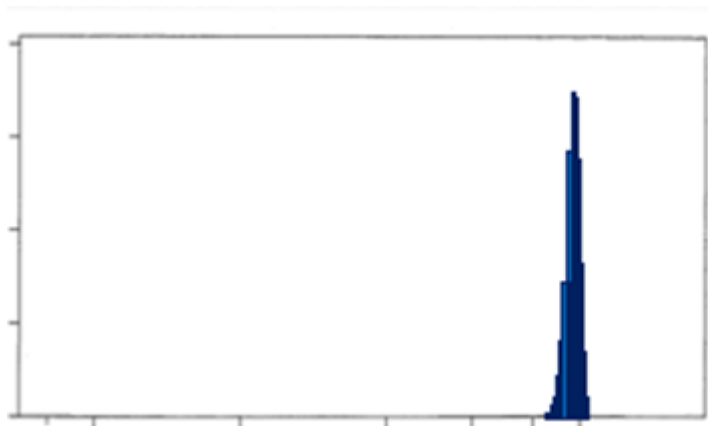
| Properties                    |    |                                      |
|-------------------------------|----|--------------------------------------|
| Appearance                    |    | Truly spherical, fine white particle |
| Mean Particle Diameter        | μm | 9.6                                  |
| Weight Loss (250 °C, 30min)   | %  | 0.4                                  |
| True Specific Gravity (25 °C) |    | 1.32                                 |
| Bulk Specific Gravity (25 °C) |    | 0.67                                 |

Typical properties are average data and are not to be used as or to develop specifications.

## Recommended Applications/Basic Uses

- Coatings:Improvement in wear resistance, slip property, water repellency and luster control
- Rubber Industry: Improvement in wear resistance and modification of slip properties of rubber surfaces
- Paints and Ink:Clarification of color tone, luster control, blocking prevention and wear resistance enhancement
- Synthetic Resin: Enhanced wear resistance of synthetic resins such as epoxy, acrylic, polyester and ABS; blocking prevention, slip property improvement and maintenance of transparency of plastic films such as PE and PP
- Others:Improvement in dispersibility, flowability and aggregation prevention of pigments and ceramic particles

## PARTICLE SIZE DISTRIBUTION MICROGRAPH



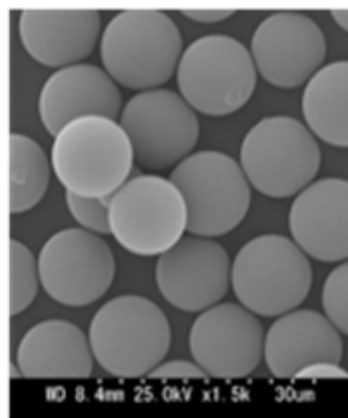
Test data and results. Actual results may vary.

Instrument: COULTER MALTISIZER 4

Dispersion medium: ISOTON II (BECKMAN COULTER)

Dispersion condition: Ultrasonic dispersion

## ELECTRON



## Packaging Types

- 1kg plastic bottle available
- 10kg corrugated cardboard box available

## For Industrial Use Only

### Patent Status

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### Product Safety, Handling and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at [www.momentive.com](http://www.momentive.com) or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

### Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

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