

## 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

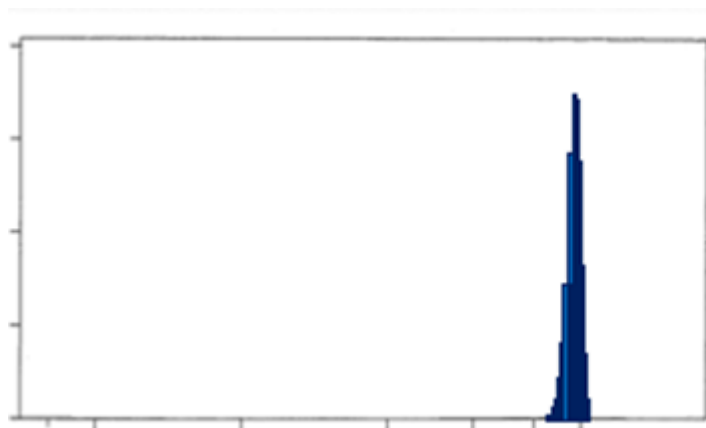
Properties		
Appearance		Truly spherical, fine white particle
Mean Particle Diameter	µm	9.6
Weight Loss (250 °C, 30min)	%	0.4
True Specific Gravity (25 °C)		1.32
Bulk Specific Gravity (25 °C)		0.67

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

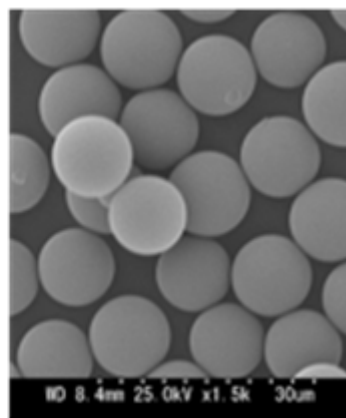
### PARTICLE SIZE DISTRIBUTION MICROGRAPH



Test data and results. Actual results may vary.

Instrument: COULTER MALTISIZER 4  
Dispersion medium: ISOTON II (BECKMAN COULTER)  
Dispersion condition: Ultrasonic dispersion

### ELECTRON MICROGRAPH



### Packaging Types

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

## For Industrial Use Only

### Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

### 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.

### Contact Information

Email

[commercial.services@momentive.com](mailto:commercial.services@momentive.com)

### Telephone

<b>Americas</b>	<b>Latin America</b>	<b>EMEAI- Europe, Middle East, Africa &amp; India</b>	<b>ASIA PACIFIC</b>
+1 800 295 2392	<b>Brazil</b>	<b>Europe</b>	<b>China</b>
Toll free*	+55 11 4534 9650	+390510924300	800 820 0202
+704 805 6946	Direct Number	Direct number	Toll free
Direct Number			+86 21 3860 4892
			Direct number

*All American countries	<b>Mexico</b> +52 55 2169 7670 Direct Number	<b>India, Middle East &amp; Africa</b> + 91 44 71212207 Direct number*	<b>Japan</b> +81 3 5544 3111 Direct number
		<b>*All Middle Eastern countries, Africa, India,</b>	<b>Korea</b> +82 2 6201 4600

For literature and technical assistance, visit our website at: [www.momentive.com](http://www.momentive.com)

**DISCLAIMER:**

**THE MATERIALS, PRODUCTS AND SERVICES OF MOMENTIVE PERFORMANCE MATERIALS INC. AND ITS SUBSIDIARIES AND AFFILIATES (COLLECTIVELY “SUPPLIER”), ARE SOLD SUBJECT TO SUPPLIER’S STANDARD CONDITIONS OF SALE, WHICH ARE INCLUDED IN THE APPLICABLE DISTRIBUTOR OR OTHER SALES AGREEMENT, PRINTED ON THE BACK OF ORDER ACKNOWLEDGMENTS AND INVOICES, AND AVAILABLE UPON REQUEST. ALTHOUGH ANY INFORMATION, RECOMMENDATIONS, OR ADVICE CONTAINED HEREIN IS GIVEN IN GOOD FAITH, SUPPLIER MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (i) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING ITS PRODUCTS, MATERIALS, SERVICES, RECOMMENDATIONS OR ADVICE. EXCEPT AS PROVIDED IN SUPPLIER’S STANDARD CONDITIONS OF SALE, SUPPLIER AND ITS REPRESENTATIVES SHALL IN NO EVENT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS OR SERVICES DESCRIBED HEREIN.** Each user bears full responsibility for making its own determination as to the suitability of Supplier’s materials, services, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating Supplier’s products, materials, or services will be safe and suitable for use under end-use conditions. Nothing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary, supersede, or waive any provision of Supplier’s standard Conditions of Sale or this Disclaimer, unless any such modification is specifically agreed to in a writing signed by Supplier. No statement contained herein concerning a possible or suggested use of any material, product,

service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Supplier covering such use or design, or as a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.

\*Tospearl™ ist ein Markenname der Momentive Performance Materials Inc.

The use of the "™" symbol designates registered or unregistered trademarks of Momentive Performance Materials Inc. or its affiliated companies. Momentive and the Momentive logo are trademarks of Momentive Performance Materials Inc.