

TSR9002

silicone resin beads

SILANES - POLYMER-ADDITIVES



TSR9002 is a silicone micro resin that may be considered for use as an additive to improve the performance of plastics, rubbers, paints, etc. In addition to providing the specific characteristics of silicones, such as water repellency and lubricity, TSR9002 has a lower refractive index than conventional organic beads and also has excellent heat resistance as compared to conventional organic beads.

Key Features and Typical Benefits

- excellent water repellency
- excellent lubricity (light lubrication)
- low refractive index gives efficient light diffusion properties
- superior to organic beads in heat resistance

Potential Applications

- light diffusion coatings
- light diffusion films /sheets/plates

Typical Physical Properties		
Properties		
Appearance		Spherical, fine white beads
Mean Particle Diameter, ⁽¹⁾	µm	1.9
Weight Loss (250°C, 30 min.)	%	0.3
pH ⁽²⁾		6.9
Specific Gravity (25°C)		1.32
Refractive Index		1.42

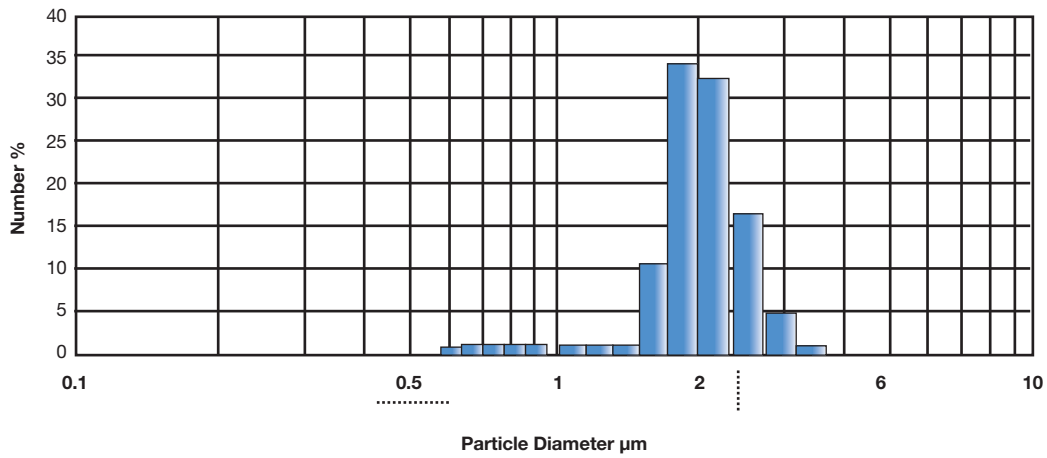
(1) Measured on Coulter Multisizer II Electrical Sensing Zone method) particle analyzer.

(2) 2% dispersion in methanol/water (1/1).

Typical property data values should not be used as specifications.

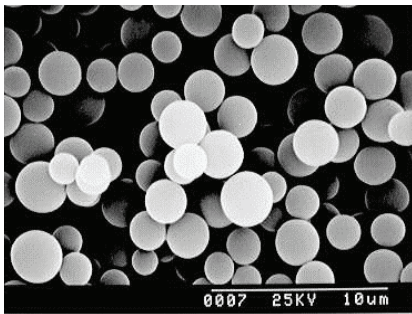
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Partical Size Distribution



Measured on Coulter Multisizer II
(Electrical Sensing Zone method) particle analyzer.

Electron Micrograph



SEM illustrates the uniform size distribution of the spherical 2-micron particles.

Packaging

10kg corrugated cardboard box available.

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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

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Momentive Performance Materials maintains an around-the-clock emergency service for its products.

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DO NOT WAIT. Phone if in doubt. You will be referred to a specialist for advice.

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