



# TECHNICAL DATA SHEET

## Flexisil 8-30

### Technical Overview

Flexisil 8-30 is an alkaline, aqueous nanoparticle dispersion of amorphous colloidal silica. The dispersion is sodium stabilized and the silica particles have a negative surface charge. The silica particles are discrete and have a slightly rough, spherical shape.

### Applications

- Refractory
- Precision Investment Casting (PIC)
- Battery uses
- Concrete uses
- Beverage clarification
- Precision polishing
- Coatings
- Inorganic binder
- Oilfield services
- Vacuum-formed refractory shapes
- Water treatment

### Typical Properties\*

| PROPERTY                         | VALUE                                                              |
|----------------------------------|--------------------------------------------------------------------|
| Appearance                       | Slightly hazy to white,<br>liquid, aqueous<br>colloidal dispersion |
| Wt. % SiO <sub>2</sub>           | 29.0 - 30.5                                                        |
| Surface Area (m <sup>2</sup> /g) | 330 - 390                                                          |
| pH (@20°C)                       | 9.3 - 10.3                                                         |
| Storage                          | Perishable if frozen                                               |
| Shelf Life                       | 12 months from date<br>of manufacture                              |

\* Typical Properties do not represent specifications.

### Packaging and Handling

Refer to the Safety Data Sheet (SDS) for information on the safe use, handling, and disposal of this product. Keep container tightly sealed.

Store and transport Flexisil at temperatures above 5°C (41°F) and below 35°C (95°F). Freezing of the product causes irreversible silica precipitation. Excess heat causes permanent silica gel formation.

Available in Bulk and IBC.

DOT Classification: Not regulated.

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