



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, liquid, aqueous colloidal dispersion |
| Wt. % SiO ₂ | 29.5 - 30.5 |
| Surface Area (m ² /g) | 260 - 360 |
| pH (@20°C) | 10.2 - 10.8 |
| Storage | Perishable if frozen |
| Shelf Life | 12 months from date of manufacture |

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 above 5°C (41°F) and below 35°C (95°F).

Available in Bulk and IBC.

DOT Classification: Not regulated.

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