



Flexisil 14-40

Technical Overview

Flexisil 14-40 is an alkaline, aqueous nanoparticle dispersion of amorphous colloidal silica. This 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

- Inorganic Binder
- Refractory
- Catalyst
- Coatings
- Concrete uses
- Precision investment casting (PIC)
- Oilfield services
- Vacuum-formed refractory shapes

Typical Properties

PROPERTY	VALUE
Appearance	Hazy to white liquid, aqueous colloidal dispersion
Wt. % SiO ₂	38.5 - 41.5
Surface Area (m ² /g)	160 - 260
pH (@20°C)	10.1 - 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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