TM

TECHNICAL DATA SHEET

Flexisil 14-40 NH4

Technical Overview

Flexisil 14-40 NH4 is an ammonia-stabilized, aqueous nanoparticle dispersion of amorphous colloidal silica. The silica particles are discrete and have a slightly rough, spherical shape. This sol is additionally processed to be a very low sodium product.

Applications

- Inorganic Binder
- Catalyst
- Coatings
- Industrial
- Precision investment casting (PIC)
- Vacuum-formed refractory shapes

Typical Properties

PROPERTY	VALUE
Appearance	Hazy to white liquid, aqueous colloidal dispersion
Wt. % Silica	38.5 - 41.5
Surface Area (m^2/g)	135 - 220
pH (@20°C)	9.0 - 10.5
Sodium (ppm)	< 800 ppm
NH_3, %	0.25 Maximum
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.