

Product Data Sheet

Levasil FO2040

Levasil FO2040 is an alkaline, aqueous dispersion of colloidal silica that is approximately 40% solids by weight. The silica dispersion is sodium stabilized and the amorphous silica particles carry a negative surface charge. The SiO₂ particles are discrete, have a slightly rough, spherical shape, and are present in a narrow particle size distribution. The physical appearance of the dispersion is an opalescent liquid, slightly more viscous than water. Levasil FO2040 is produced for world-wide distribution.

Typical Properties

| | |
|---|-----|
| Silica, wt%: | 40 |
| Specific surface area, m ² /g: | 200 |
| pH: | 10 |
| Viscosity, cP: | 13 |
| Density, g/cm ³ : | 1.3 |
| Na ₂ O, wt%: | 0.4 |

Range of Applications

Levasil FO2040 is an excellent binder with very high binding power for a broad variety of inorganic materials as refractories.

Storage, Handling, & Transport

Levasil FO2040 should be transported and stored at a temperature of 5-35°C (40-95°F). If the silica dispersion is allowed to freeze, the silica will irreversibly precipitate. For bulk storage, the tank should be sealed and constructed of plastic, fiberglass reinforced plastic, or stainless steel. For packaged goods, any translucent packages should be stored out of direct sunlight or bright light. Under recommended conditions, Levasil FO2040 has a shelf life of at least twelve months after production.

Levasil FO2040 is available in bulk and packaged quantities. Bulk shipping and packaging sizes can vary by region.

Before handling this material, review the corresponding Material Safety Data Sheet.

Contact Information

For more product information or enquiries, please visit our website:

www.akzonobel.com/colloidalsilica

Or write an email to:

colloidal.silica@akzonobel.com

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