

Matrixsol[®] 30 Colloidal Silica

MATRIXSOL 30 colloidal silica is an alkaline, aqueous dispersion of colloidal silica that is approximately 30% solids by weight. The silica sol is sodium stabilized, and the amorphous silica particles carry a negative surface charge. The particles are discrete, have a slightly rough, spherical shape, and are present in a narrow particle size distribution. The physical appearance of the sol is a translucent liquid, slightly more viscous than water.

Typical Material Properties*

Silica (Weight %)	30
Specific Surface Area (m ² /g)	305
pH	10.5
Viscosity (cP)	7
Density (g/cm ³)	1.2
Na ₂ O (Weight %)	0.4

*These results are based on the testing methods, frequency and procedures of Ransom & Randolph or its approved suppliers. The levels referenced herein are only for general guidance and do not constitute a firm specification.

Storage & Handling

MATRIXSOL 30 colloidal silica should be transported and stored at a temperature of 40°F-95°F (5°C-35°C). If the sol is allowed to freeze, the silica will irreversibly precipitate. Translucent packages should be stored out of direct sunlight or bright light.

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PRODUCT DATA SHEET



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