

TECHNICAL DATA SHEET



Specialty Chemicals Division
www.geo40.com

GEO40™ SOL-1030Na

Geo40™ SOL-1030Na is a sustainable geothermal water derived colloidal silica stabilized with sodium. An alkaline dispersion of 10 nm colloidal silica at 30 % SiO₂ concentration in water. The particles are negatively charged and have a high specific surface area.

The product can be used in a wide variety of applications such as metals and refractories, paper and textiles treatment, coatings and inks, or other applications where a small particle size colloidal silica is required.

PROPERTIES

Tests	Range	Units
Particle size	9.0 to 11.0	nm
Silica (as SiO ₂)	29.0 to 31.0	w / w %
pH	9.2 to 10.2	pH
Density	1.193 to 1.209	kg / L
Conductivity	2.0 to 5.0	mS / cm
Surface area	248 to 303	m ² / g
Free Alkalinity (as Na ₂ O)	0.2 to 0.5	w / w %
Viscosity	Less than 12.0	cP
Accelerated Life Test	Pass	80 °C / 7 days
Visual Appearance	Clear to Opaque	
Warranty Period	12	months

TO ORDER MATERIAL, OR FIND OUT MORE

Please contact: SALES@GEO40.COM

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