



DATA SHEET  
NexSil™ 2046EG

## NexSil™ 2046EG Colloidal Silica

NexSil 2046EG is an alkaline dispersion of 20 nm colloidal silica at 46% SiO<sub>2</sub> concentration in water. The particles are negatively charged and have a high specific surface area. The product is freeze recoverable meaning, if frozen, it will return to the original colloidal state after thawing. The product is used in a variety of applications such as precision casting and binder applications.

### TYPICAL PROPERTIES

Appearance:	Translucent Liquid
SiO <sub>2</sub> , %:	46.5 (minimum) to 48
Na <sub>2</sub> O, %:	0.15
Particle Size, nm:	20 – 25
Specific Surface Area, m <sup>2</sup> /g:	109 – 135
Viscosity, cP:	5 – 30
pH:	8.3 – 9.3
Surface Charge:	Negative
Biocide, ppm:	400 – 600

### FOR ADDITIONAL INFORMATION OR TO PLACE AN ORDER

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