



DATA SHEET NexSil 20ZK

NexSil 20ZK Colloidal Silica

NexSil 20ZK is an alkaline dispersion of 10 nm colloidal silica at 25% SiO₂ concentration in water. The particles are based on potassium instead of traditional sodium silicate, and have reduced levels of trace impurities such as Fe, Na, Al, and Cu. The particles are negatively charged and have a high specific surface area.

NexSil 20ZK can be used in a wide variety of applications such as precision investment casting, precision polishing, metal surface treatment, textile treatment, catalyst binder, or other applications where a small particle size, low-sodium colloidal silica is required.

TYPICAL PROPERTIES

| | |
|-------------------------------------------|--------------------------|
| Appearance: | Clear to Translucent Sol |
| SiO ₂ , %: | 24 – 26 |
| K ₂ O, %: | 0.05 – 0.40 |
| Particle Size, nm, Z avg: | 16 – 24 |
| Particle Size, nm, from SSA: | 8 – 12 |
| Specific Surface Area, m ² /g: | 227 – 340 |
| Viscosity, cP: | 3 – 15 |
| pH: | 8.9 – 9.6 |
| Surface Charge: | Negative |

FOR ADDITIONAL INFORMATION OR TO PLACE AN ORDER

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