



## DATA SHEET NexSil 12A

### NexSil 12A Colloidal Silica in Water

NexSil 12A is an acidic dispersion of 12 nm colloidal silica at 20% SiO<sub>2</sub> concentration. The product is a clear liquid composed of highly uniform, spherical silica particles. The product has a slightly negative charge and is essentially free of Cl ions. NexSil 12A finds use as a binder in investment casting, and in refractory applications where a low-sodium product is required. The product is also useful in catalyst formulations and in providing antislip properties in textile applications.

#### TYPICAL PROPERTIES

Appearance:	Translucent Sol
SiO <sub>2</sub> , %:	19 – 21
H <sub>2</sub> O, %:	79 – 81
Particle Size, nm:	9 – 15
pH:	2.4 – 3.1
Viscosity, cP:	3 – 12
Surface Chemistry:	Anionic

#### TYPICAL IMPURITIES, AS IS BASIS

Sodium, ppm:	<300
Iron, ppm	35
Aluminum, ppm:	300

#### FOR ADDITIONAL INFORMATION OR TO PLACE AN ORDER

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