



DATA SHEET NexSil™ 12-FS

NexSil™ 12-FS Colloidal Silica

NexSil 12-FS is an alkaline dispersion of 12 nm colloidal silica at 28% 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 precision investment casting, metal surface treatment, textile treatment, catalyst binder or other applications where a very small particle size colloidal silica is required.

NexSil 12-FS has a small amount of ethylene glycol added to make the product freeze recoverable if it is frozen.

TYPICAL PROPERTIES

Appearance:	Translucent Sol
SiO ₂ , %:	27 – 29
Na ₂ O, %:	0.1 – 0.4
Particle Size, nm:	10 – 14
Specific Surface Area, m ² /g:	180 – 270
Viscosity, cP:	< 20
pH:	9.1 – 10.1
Surface Charge:	Negative

PACKAGING

55-gallon plastic drums, 580 pounds net.

275-gallon IBC, 2750 pounds net.

STORAGE

The products should be stored above 32°F (0°C) to protect from freezing.

FOR ADDITIONAL INFORMATION OR TO ORDER MATERIAL

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Information herein is accurate to the best of our knowledge. Suggestions are made without warranty or guarantee of results. Before using, user should determine the suitability of the product for the intended use and user assumes the risk and liability in connection therewith. We do not suggest violation of any existing patents or give permission to practice any patented invention without a license. 2021/11

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