



DATA SHEET
NexSil 12HS

NexSil 12HS Colloidal Silica

NexSil 12HS is an alkaline dispersion of 12 nm colloidal silica at 40% 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.

TYPICAL PROPERTIES

Appearance:	Translucent Sol
SiO ₂ , %:	39 – 41
Na ₂ O, %:	0.3 – 0.5
Particle Size, nm:	10 – 14
Specific Surface Area, m ² /g:	187 – 260
Viscosity, cP:	< 20
pH:	9.3 – 10.3
Surface Charge:	Negative

PACKAGING

55-gallon plastic drums, 580 pounds net
275-gallon IBC, 2750 pounds net

HANDLING

Keep from freezing.

FOR ADDITIONAL INFORMATION OR TO PLACE AN ORDER

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