



DATA SHEET
NexSil™ 125-40

NexSil™ 125-40 Colloidal Silica

PRODUCT DESCRIPTION

NexSil™ 125-40 is an alkaline dispersion of 70 – 90 nm colloidal silica at a 40% SiO₂ concentration in water. The particles are negatively charged. The product can be used in paper, steel and precision polishing applications where large particle size colloidal silica is required.

NexSil 125-40 is a good choice as an abrasive for Si wafer stock-polish, sapphire wafer polishing and other hard substrate polishing. NexSil 125-40 is also excellent for paper antiskid and other antiblocking applications where the large particle colloidal silica is used. Consult NYACOL® for recommendations on starting conditions.

TYPICAL PROPERTIES

Appearance:	Milky White
SiO ₂ Content, %:	39 – 41
Na ₂ O Content, %:	0.05 – 0.3
Particle Size, nm:	70 – 90 by TEM
Particle Size, DLS, Z-Average, nm:	105 – 135
Specific Surface Area, m ² /g:	25 – 50
pH:	9 – 10
Viscosity, cPs:	3 – 15
Surface Charge:	Negative

FOR ADDITIONAL INFORMATION OR TO ORDER MATERIAL

Nyacol Nano Technologies, Inc.	Telephone:	800-438-7657 Toll-Free
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