



DATA SHEET
NexSil™ 85-40

NexSil™ 85-40 Colloidal Silica

PRODUCT DESCRIPTION

NexSil™ 85-40 is an alkaline dispersion of 40 – 60 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 85-40 is a good choice for sapphire polishing and other specialty wafer polishing applications. NexSil 85-40 provides good balance between removal rate and surface finish. Consult NYACOL® for recommendations on starting conditions.

TYPICAL PROPERTIES

Appearance:	Light Milky Sol
SiO ₂ Content, %:	39 – 41
Na ₂ O Content, %:	0.05 – 0.2
Particle Size, nm:	40 – 60 by TEM
Particle Size, DLS, Z-Average, nm:	70 – 90
Specific Surface Area, m ² /g:	45 – 75
pH:	8.8 – 9.8
Viscosity, cPs:	<20
Surface Charge:	Negative

FOR ADDITIONAL INFORMATION OR TO ORDER MATERIAL

Nyacol Nano Technologies, Inc.	Telephone:	800-438-7657 Toll-Free
P.O. Box 349		508-881-2220 Local Area
Megunko Road	Fax:	508-881-1855
Ashland, MA 01721	Internet:	www.nyacol.com

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