

NexSil™ 125K-40 Colloidal Silica

PRODUCT DESCRIPTION

NexSil 125K-40 colloidal silica is a large particle product primarily intended as an abrasive for formulated polishing slurries. NexSil 125K-40 is based on high-purity colloidal silica and contains very low levels of trace impurities, minimizing the introduction of impurities in the polishing process.

TYPICAL PROPERTIES

Appearance:	Milky White
SiO ₂ Content, %:	39 - 41
K ₂ O Content, %:	0.05 - 0.3
Particle Size, nm:	70- 100
Specific Surface Area, m ² /g:	25 - 50
pH:	10.3 - 11.3
Viscosity, cP:	3 -15
Surface Charge:	Negative

TYPICAL SUPERNATANT IMPURITIES(PPM)

<u>Metal</u>	<u>@ 40% SiO₂</u>
Na	23
Al	1
Cr	<1
Cu	<1
Mg	5
Mn	<1
Ni	<1
Pb	<1
Zn	<1
Fe	<1
Ca	5
Ti	<1
Ag	<1

TYPICAL IMPURITIES

The data details trace impurities in the supernatant of NexSil 125K-40 at 40% SiO₂ concentration. Low impurities in the supernatant are critical to prevent transfer of metallic impurities to the surface being polished.

FOR ADDITIONAL INFORMATION OR TO ORDER MATERIAL

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