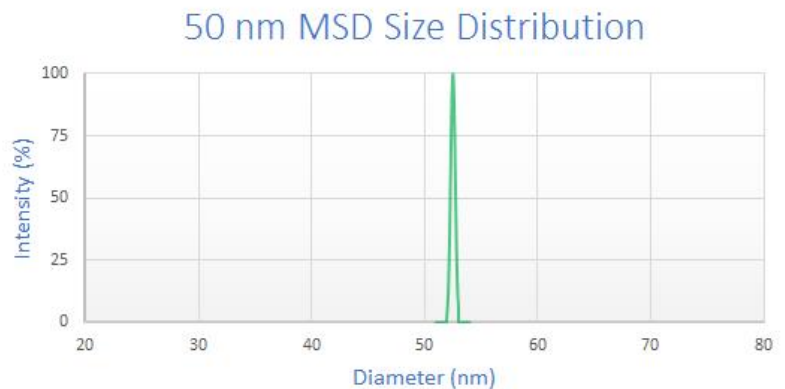
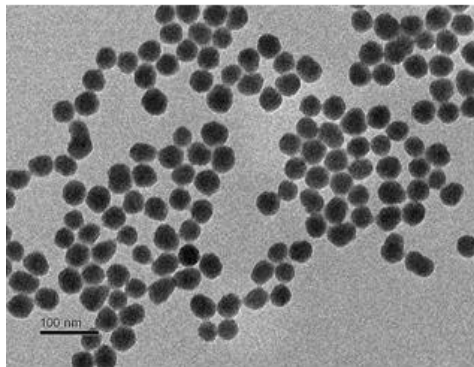




SUPERIOR SILICA

50nm SUPSIL™ PREMIUM

PARTICLE CHARACTERISTICS	
Product Line	SUPSIL™ PREMIUM
Purity	99.99%
Effective Diameter (nm)	52.6 ± 4 nm
Polydispersity Index	0.050
Coefficient of Variation (%)	6 %
Concentration (counts per second)	320 kcps
Surface functionalization	Silanol (Si-OH)
pH in solution	8.0



Solutions available in water or ethanol at a custom wt%.

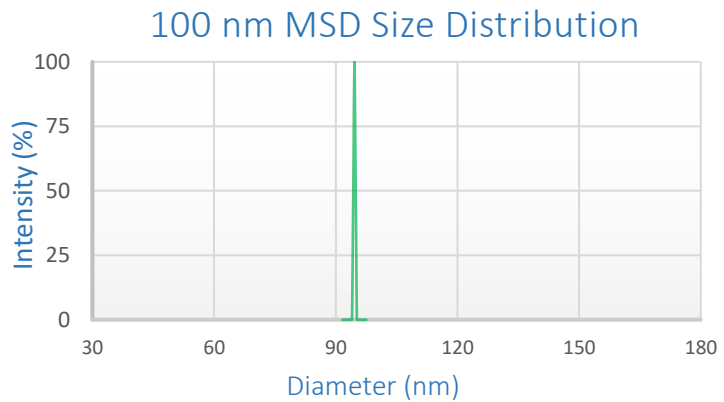
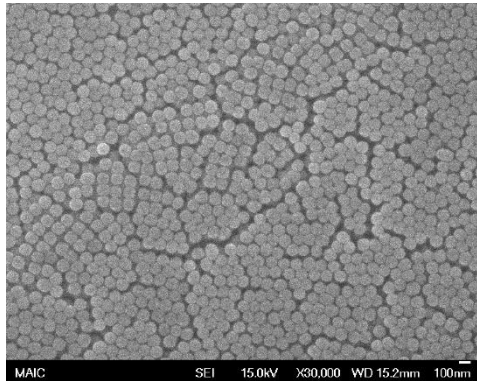
All size characteristics are measured using Brookhaven 90Plus Particle Size Analyzer. The diameter above represents the hydrodynamic diameter in solution i.e. “effective diameter”. We guarantee a polydispersity below 0.05.



SUPERIOR SILICA

100nm SUPSIL™ PREMIUM

PARTICLE CHARACTERISTICS	
Product Line	SUPSIL™ PREMIUM
Purity	99.99%
Effective Diameter (nm)	99.0 ± 6 nm
Polydispersity Index	0.010
Coefficient of Variation (%)	6 %
Concentration (counts per second)	80kcps
Surface functionalization	Silanol (Si-OH)
pH in solution	8.4



Solutions available in water or ethanol at a custom wt%.

Dry quantities available up to 1000 kg.

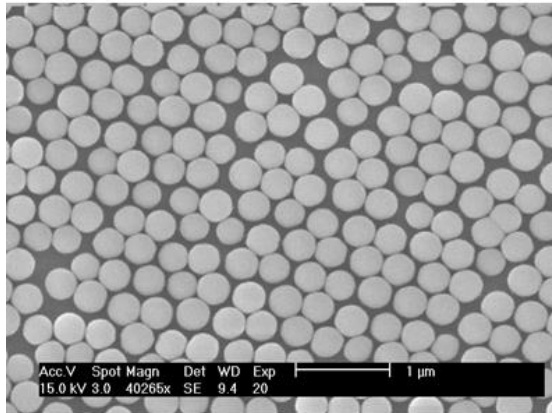
All size characteristics are measured using Brookhaven 90Plus Particle Size Analyzer. The diameter above represents the hydrodynamic diameter in solution i.e. “effective diameter”.



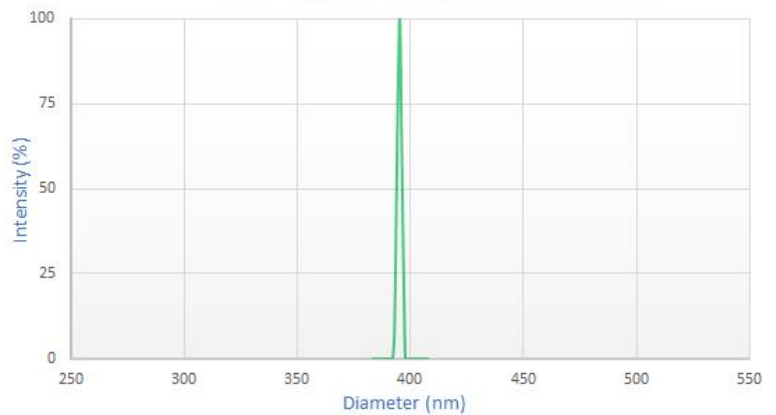
SUPERIOR SILICA

400nm SUPSIL™ PREMIUM

PARTICLE CHARACTERISTICS	
Product Line	SUPSIL™ PREMIUM
Purity	99.99%
Effective Diameter (nm)	397.4 + 12 nm
Polydispersity Index	0.005
Coefficient of Variation (%)	6 %
Concentration (counts per second)	90 kcps
Surface functionalization	Silanol (Si-OH)
pH in solution	8.1



400 nm MSD Size Distribution



Solutions available in water or ethanol at a custom wt%.

Dry quantities available up to 1000 kg.

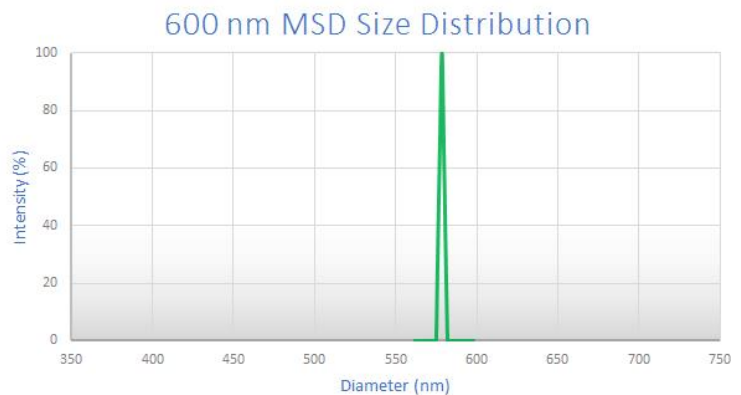
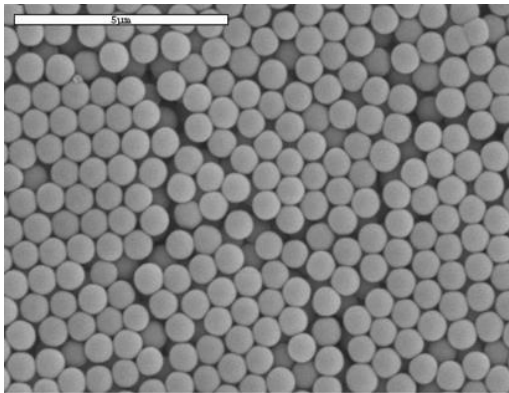
All size characteristics are measured using Brookhaven 90Plus Particle Size Analyzer. The diameter above represents the hydrodynamic diameter in solution i.e. “effective diameter”.



SUPERIOR SILICA

600nm SUPSIL™ PREMIUM

PARTICLE CHARACTERISTICS	
Product Line	SUPSIL™ PREMIUM
Purity	99.99%
Effective Diameter (nm)	597.1 ± 19 nm
Polydispersity Index	0.005
Coefficient of Variation (%)	7 %
Concentration (counts per second)	800 kcps
Surface functionalization	Silanol (Si-OH)
pH in solution	8.1



Solutions available in water or ethanol at a custom wt%.

Dry quantities available up to 1000 kg.

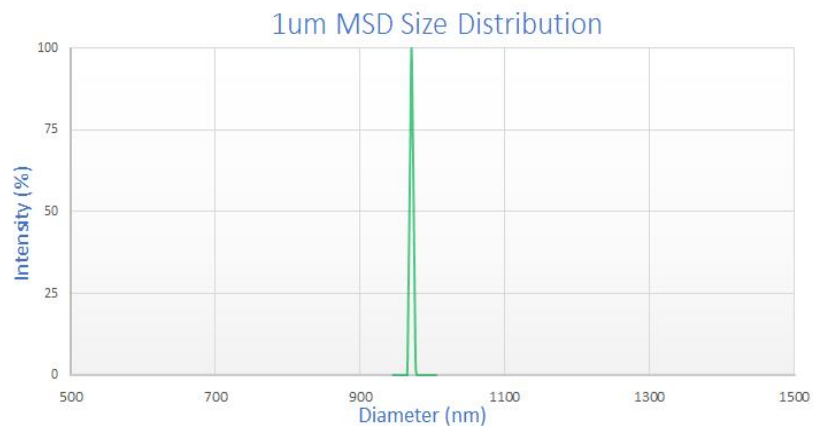
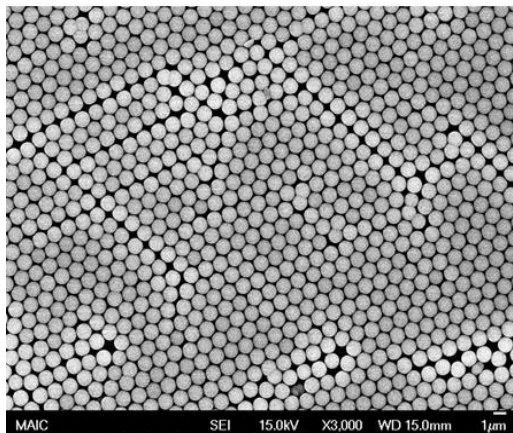
All size characteristics are measured using Brookhaven 90Plus Particle Size Analyzer. The diameter above represents the hydrodynamic diameter in solution i.e. “effective diameter”.



SUPERIOR SILICA

1 μ m SUPSIL™ PREMIUM

PARTICLE CHARACTERISTICS	
Product Line	SUPSIL™ PREMIUM
Purity	99.99%
Effective Diameter (nm)	1015 \pm 38 nm
Polydispersity Index	0.010
Coefficient of Variation (%)	8 %
Concentration (counts per second)	325 kcps
Surface functionalization	Silanol (Si-OH)
pH in solution	8.4



Solutions available in water or ethanol at a custom wt%.

Dry quantities available up to 1000 kg.

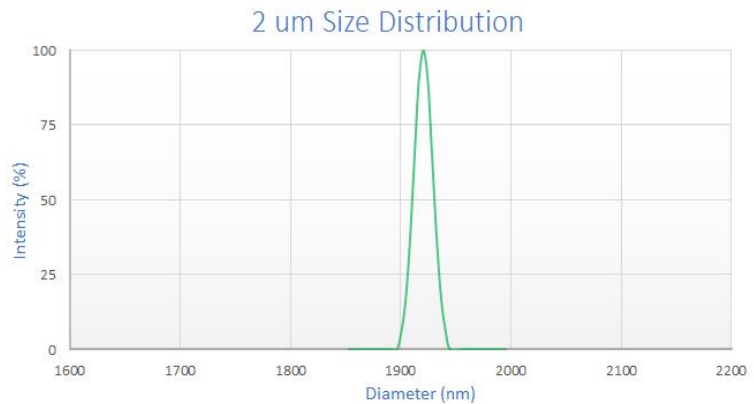
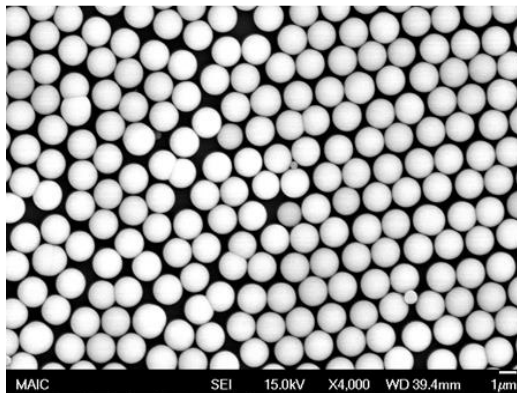
All size characteristics are measured using Brookhaven 90Plus Particle Size Analyzer. The diameter above represents the hydrodynamic diameter in solution i.e. “effective diameter”.



SUPERIOR SILICA

2 μ m SUPSIL™ PREMIUM

PARTICLE CHARACTERISTICS	
Product Line	SUPSIL™ PREMIUM
Purity	99.99%
Effective Diameter (nm)	1990 \pm 80 nm
Polydispersity Index	0.050
Coefficient of Variation (%)	11 %
Concentration (counts per second)	80kcps
Surface functionalization	Silanol (Si-OH)
pH in solution	8.0



Solutions available in water or ethanol at a custom wt%.

Dry quantities available up to 1000 kg.

All size characteristics are measured using Brookhaven 90Plus Particle Size Analyzer. The diameter above represents the hydrodynamic diameter in solution i.e. “effective diameter”.