

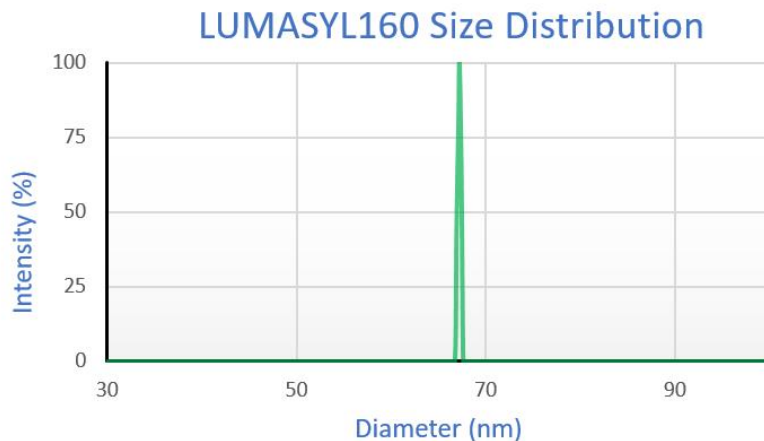
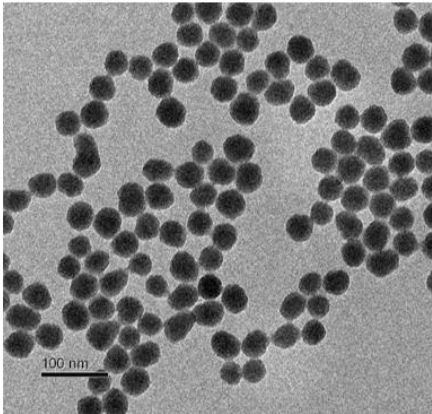


SUPERIOR SILICA

# LUMASYL160™

## Particle Characteristics

Effective Diameter (nm)	65.0 nm
Polydispersity Index	0.019
Coefficient of Variation (%)	4 %
Concentration (counts per second)	70 kcps
Surface functionalization	Hexamethyldisilazane (HMDS)
pH in solution	6.0
Surface Characteristics	Hydrophobic ( c.a. >100°)



Dry quantities available up to 10,000 kg.  
Target application: additive and/or filler in toner compositions.

All size characteristics are measured using Brookhaven 90Plus Particle Size Analyzer. Surface functionalization has been carried out using reagent grade hexamethyldisilazane (HMDS, also known as 1,1,1,3,3,3-Hexamethyldisilazane). LUMASYL160™ is manufactured using Superior Silica's proprietary sol-gel process followed by surface modification post-synthesis.