



DATA SHEET  
NYACOL® S200-EG

## NYACOL® S200-EG

### COLLOIDAL SILICA IN ETHYLENE GLYCOL

NYACOL S200-EG is a dispersion of large particle colloidal silica in polymer-grade ethylene glycol. The primary application of S200-EG is as a high performance anti-block in PET film. Other uses are in paints and coatings to improve abrasion resistance and anti-blocking properties.

S200-EG is typically added in PET synthesis. When S200-EG is properly dispersed, films with high transparency and low haze can be produced. Typical loadings are 100 – 400 ppm as SiO<sub>2</sub>. Consult NYACOL Technical Service for guidance on how to use S200-EG.

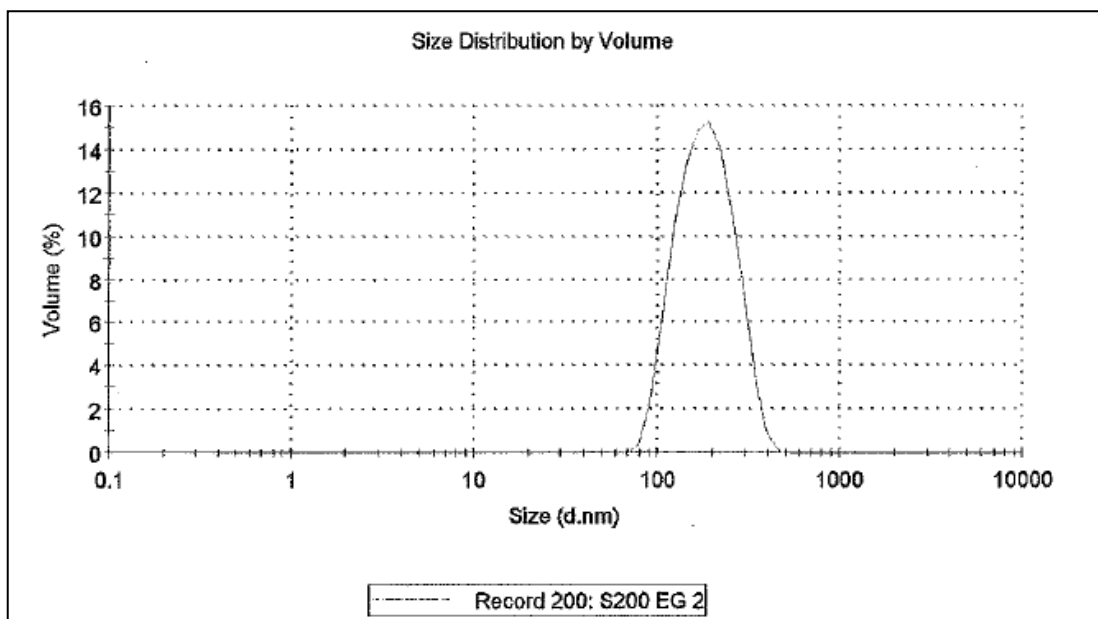
#### TYPICAL PROPERTIES

Specific Gravity, 25°C	1.2
Particle Diameter (measured by SEM <sup>a</sup> ), nm	200
Particle Diameter (measured by PCS <sup>b</sup> ), nm	190
SiO <sub>2</sub> , %	20
pH (diluted 1:1 by vol. with distilled water)	3 – 5
Viscosity (Brookfield 25°C), cP	26
H <sub>2</sub> O (Karl Fischer method), %	1.0 max.

<sup>a</sup> SEM – Scanning Electron Microscopy

<sup>b</sup> PCS – Photon Correlation Spectroscopy

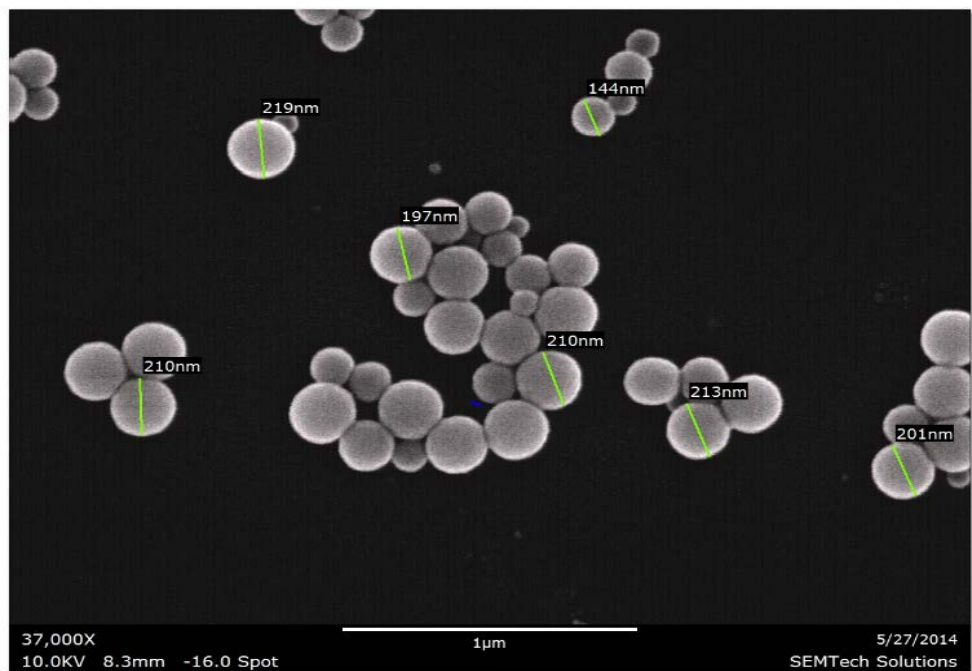
#### TYPICAL PSD





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SEM



PACKAGING

SIZE	WEIGHT
55 Gallon Drum	550 Pounds Net
208 Liters	250 Kilograms Net

FOR ADDITIONAL INFORMATION OR TO PLACE AN ORDER

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