



DATA SHEET  
NYACOL® S125-EG

## NYACOL® S125-EG

### COLLOIDAL SILICA IN ETHYLENE GLYCOL

NYACOL S125-EG is a dispersion of nano-sized silica particles in polymer-grade ethylene glycol. The primary application of S125-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.

S125-EG is typically added in PET synthesis. When S125-EG is properly dispersed, films with high transparency and low haze can be produced. Typical loadings are 200 – 800 ppm as SiO<sub>2</sub>. Consult NYACOL Technical Service for guidance on how to use S125-EG.

#### TYPICAL PROPERTIES

Specific Gravity, 25°C	1.3
Particle Diameter (measured by TEM <sup>a</sup> ), nm	80
Particle Diameter (measured by PCS <sup>b</sup> ), nm	125
SiO <sub>2</sub> , %	28 – 30
pH (diluted 1:1 by vol. with distilled water)	3 – 5
Viscosity (Brookfield 25°C), cP	60
H <sub>2</sub> O (Karl Fischer method), %	1.0 max.

<sup>a</sup> TEM – Transmission Electron Microscopy

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

#### 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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