



FUJI SILYSIA CHEMICAL LTD
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***SYLSIA 770*[®] Technical Data Sheet**

SYLSIA[®] (**SY**) is synthetically produced, amorphous, and micronized silica characterized by high porosity and chemical purity. Fuji Silysia Chemical's 700 series is produced at our Greenville, NC facility, where advanced technology has minimized both labor costs and production times. Fuji Silysia is dedicated to producing the highest quality micronized silica through advanced milling technologies and continuous product refinement.

Typical Physical Properties	SY 770
Whiteness (%)	95 min
Pore Volume (mL/g)	0.44
Loose Bulk Density (mL/5g)	13
BET Surface Area (m ² /g)	700
pH (at 5% slurry)	4.0
Total Volatile (%)	11.0
Oil Absorption (mL/100g)	95
Average Particle Size (µm)*	6.7
Surface Treatment	None

*SALD 2000 Shimadzu Laser Method

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SYLYSIA 700 Series Applications

COATINGS – *SYLYSIA* is a highly efficient matting agent producing uniform films while reducing gloss with an extraordinary effect. The 700 series, characterized as the *SYLYSIA* grade with the highest surface area. As a result, these grades show strong and rapid absorption behavior. The 700 series high density allows easy dispersion into coatings. The matting characteristics are controlled directly by the amount of *SYLYSIA* introduced into the coating where settling is of least importance.

ANTI-BLOCKING – One of the most critical roles for *SYLYSIA* is the control of blocking during the manufacture of plastic film and sheers, as well as ink transfer in high-speed printing. The 700 series high density allows easy dispersion into plastics.

PLASTICS – *SYLYSIA* 700 series is characterized as the *SYLYSIA* grade with the highest surface area. As a result, these grades show strong and rapid absorption behavior. The 700 series with it high density allows easy dispersion into coatings and plastics.

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