



Technical Data Sheet

About:

SY350FCP meets the standards for silicon dioxide in the current USP/NF monograph and Food Chemicals Codex (FCC).

Chemically inert

Tasteless and Odorless

True Specific Gravity: 2.15

Refractive index: 1.46

GRAS

Applications

Tabletting:

Whether your product is a tablet or capsule, SY350FCP may improve the ease of powder flow through your production providing more accurate dosage levels. The silica particles aid in the full and complete release from molds by minimizing sticking.

The high moisture capacity can provide longer shelf life for your products as well as providing a wicking action when your tablet is dispersed in water.

In both wet and dry granulation processes, the addition of SY350FCP speeds up screening and improves flow to compression.

Active Ingredient Carrier:

The high porosity of SY350FCP enables it to absorb over 3 times their weight in liquids. Liquid ingredients can be turned into powders. The inert chemical nature of SYLYSIA silica stabilizes fragrance, color, separation, adhesion, thickening and fluidity.

Free Flow/Anti-Caking:

Powders can be kept dry and free-flowing by using as little as 0.25 to 1.0% of SY350FCP.

SYLYSIA® 350FCP

SYLYSIA® (SY) is synthetically produced, amorphous and micronized silica gel characterized by high porosity and chemical purity. Fuji Silysia Chemical's SY350FCP is produced at our Greenville, NC facility. Fuji Silysia is dedicated to producing the highest quality micronized silica through advanced milling technologies and continuous product refinement.

Typical Physical Properties	SY350FCP
Whiteness (%)	95 min
Pore Volume (mL/g)	1.60
BET Surface Area (m ² /g)	300
pH (at 5% slurry)	7.0
Oil Absorption (mL/100g)	310
Apparent Bulk Density (lbs/ft ³)	7.0
Average Particle Size (µm)*	3.9
Surface Treatment	None

*SALD 2300 Shimadzu Laser Method

Packaging Information:

10kg (22lb) Kraft bag with poly liner
24 bags/pallet (240kg/529lb)

Appearance:

White, dry powder

Safety:

Amorphous, non-crystalline silica.
See SDS for additional information.

Manufacturing location:

Fuji Silysia Chemical USA LTD
1215 Sugg Parkway
Greenville, NC 27834
(252) 413-0003

Sales Office:

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