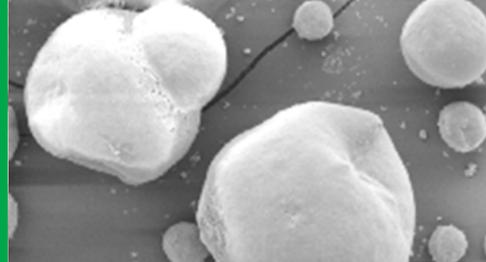


FujiSil™-F



FujiSil™-F The Next Generation Porous Silica

FujiSil™-F is a spray-dried granular amorphous Silica, designed as a superior adsorption carrier for dietary supplements. FujiSil™-F has a unique internal structure and remarkable flow properties giving high internal porosity and superior compressibility properties.

Key Features

- Exceptional versatility due to the carrier inertness, allowing the loading of numerous ingredients.
- High adsorption capacity enables:
 - ✓ Increased loading of oily & aqueous ingredients
 - ✓ Prevents seepage upon tableting
- Superb flowability
 - ✓ Even after oil absorbed FujiSil™-F maintains exceptional flow characteristics due to its spherical shape and high adsorption capacity
- Superior tabletability
 - ✓ Unique structure and processing improves the powder compressibility and tablet strength

General Properties

Chemical formula	SiO ₂
Appearance	White powder
Form	Amorphous
Average particle size (µm)	80
Oil adsorbing capacity (ml/g)	3.3
Angle of repose (°)	30

Table 1: General properties
*for reference only

Handling & Storage

Packaging: 10 kg Aluminium bag in Kraft bag
 Storage: Store at room temperature and avoid high humidity.
 Shelf life: 3 years from the date of manufacture stored in recommended conditions.

Safety Information

FujiSil™-F is amorphous.
 BSE/TSE, Non-GMO, Allergen Free statements are issued upon request.
 FujiSil™-F does not contain any residual organic solvent.

FujiSil™-F as an oil adsorption carrier

FujiSil™-F has a high oil adsorption capacity and can serve as a carrier for numerous ingredients while maintaining its superb flowability.



FujiSil™-F powder loaded with Vitamin E oil
 (FujiSil™-F:Oil = 1:1)

Inorganic Excipient	Angle of repose for the oil adsorbed powder(°)	Fluidity of the oil adsorbed powder	Oil seepage upon tableting
FujiSil™-F	34	Good	No
A	39	Good	Yes
B	48	Bad	Yes
C	≤ 50	Bad	Yes

Table 2: Comparison of FujiSil™-F to alternative competitor silicate excipients at 1:1 loading of Vitamin E oil



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