



**FUJI SILYSIA CHEMICAL LTD**  
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## **SYLYSIA<sup>®</sup> 440 FCP**

SYLYSIA 440 FCP is amorphous silica gel. **SYLYSIA 440 FCP meets the standards for silicon dioxide in the USP 25 – NF20 monograph.**

### **PHYSICAL CHARACTERISTICS**

- Dry, White Micronized Powder (amorphous)
- Porous
- Chemically Inert
- Tasteless and Odorless
- True Specific Gravity: 2.15
- Refractive Index: 1.46

### **TYPICAL PROPERTIES**

<b>Property</b>	<b>Typical Value</b>
Average Particle Size (µm)	6.2
Apparent Bulk Density (lbs/ft <sup>3</sup> )	11
Oil Absorption (lbs/100lbs)	210
pH (5% aqueous slurry)	7
Average Pore Volume (mL/g)	1.25
Whiteness	94 min
Surface Area (m <sup>2</sup> /g)	300
Packaging	15 kg bag

### **SPECIFICATIONS**

<b>Property</b>	<b>Specification</b>
Loss on Drying, 145°C, 4 hrs	5.0% max
Total Volatiles, 1000°C, 2 hrs	8.5% max
Chloride as Cl, dry basis	0.1 wt % max
Sulfate as SO <sub>4</sub> , dry basis	0.1 wt % max
Arsenic as As	3 ppm max
Heavy Metals	0.001 wt % max
Silica, as SiO <sub>2</sub>	99.5% min

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