

New SPI Pharma Precious Gem Collection

Mannogem[®] XL Opal

Directly Compressible 160 μ m Spray-Dried Mannitol

Opal is a 160 μ m spray-dried mannitol engineered to enhance functionality in direct compression formulations. Compared to industry-standard 160 μ m spray-dried mannitol, Opal offers superior tableability and binding properties.

Opal helps pharmaceutical formulators overcome many of the common challenges of working with mannitol. Increased speed of development, enhanced manufacturing efficiency, improved product performance and patient satisfaction are just a few of the benefits formulators are realizing with Opal.

Features & Benefits

- Provides superior binding properties and tableability over standard 160 μ m spray-dried mannitols and other excipients
- 160 μ m particle size matches typical APIs and industry-standard excipients
- Offers better disintegration time per hardness than the leading spray-dried mannitol, even under higher drug loads
- Ideal for use as a base for ordered mixing with micronized APIs and low-dose formulations due to higher surface area
- Yields tablets with higher hardness and tensile strength and lower friability than standard spray-dried mannitol at comparable compression forces

Optimal Dosage Forms

- Oral Solid Dose (OSD) Tablets
 - Formulations with Moisture-Sensitive APIs
 - Multiple Unit Particle Systems (MUPS)
 - Orally Disintegrating Tablets (ODTs)
 - Chewable Tablets and Soft-Chews
 - Controlled-Release ODTs



Opal | Powered by Mannogem® XL Technology

Opal is part of SPI Pharma's Mannogem XL suite of highly compressible, self-disintegrating engineered mannitol excipients.

Mannogem XL is a proprietary technology from SPI Pharma engineered to overcome mannitol's poor compactability properties, producing multifunctional, compendial grades of mannitol with superior binding properties, rapid disintegration, greater compressibility and tight particle size ranges.

Opal combines the quality, productivity and patient-centric properties of spray-dried mannitol with the added benefits of SPI Pharma's XL technology, including:

Quality & Productivity	Patient Value
Superior Performance & Tableability	Compliance & Administration
Enhanced Manufacturing Efficiency	Expanded Formulation Opportunities
Formulation Simplification & Consistency	Greater Therapeutic Value

Improve your manufacturing operations, product performance and the patient experience with SPI Pharma's high-performing spray-dried mannitol. Start formulating with Opal today!

Browse our full Precious Gem Collection of mannitol excipients at www.spipharma.com

 SPI Pharma

 salesinfo@spipharma.com

 @spipharma_real

 @spipharma

 www.spipharma.com

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