MilliporeSigma

Parteck® M Excipient

Keep your formulation safe

API stability combined with rapid disintegration.

Parteck® M is a directly compressible excipient that combines stability with rapid disintegration for your solid dosage form.

SAFC®

Pharma & Biopharma Raw Material Solutions

Parteck® M Excipient

Less pressure. For quick action.

Achieving a stable and reliable outcome in tablet manufacturing often calls for intense processing and the use of high forces. As one of our functional excipients, Parteck® M achieves excellent compressibility while keeping the API stable throughout your manufacturing process and beyond. Based on directly compressible mannitol, it does not require further processing or high forces. Parteck® M enables a rapid disintegration and quick release regardless of the dosage, giving your high- or low-dosed active ingredients a speed-up.

Accommodating plenty of dosage forms, Parteck® M is available in two grades:

- Parteck® M 100
- Parteck® M 200

Call on our global network of scientists, engineers, regulatory experts and state-of-the-art manufacturing and customer collaboration centers for support.

PARTECK® M PROVIDES:

- High compactibility thanks to unique particle properties
- Uniform doses with homogenous distribution
- High dilution potential
- Rapid disintegration
- Excellent API stability thanks to low levels of hygroscopicity, reducing sugar content, and compression forces

Uniform doses with homogenous distribution.

Thanks to its large surface area and unique particle structure, Parteck® M helps active ingredients adsorb strongly to it, while also preventing segregation during processing. Even in low-dose formulas, in which dose uniformity and mix homogeneity take priority, Parteck® M serves as an ideal diluent. You can also expect smooth and easy development and production with Parteck® M, as good flowability and chemical stability make it easy to handle.

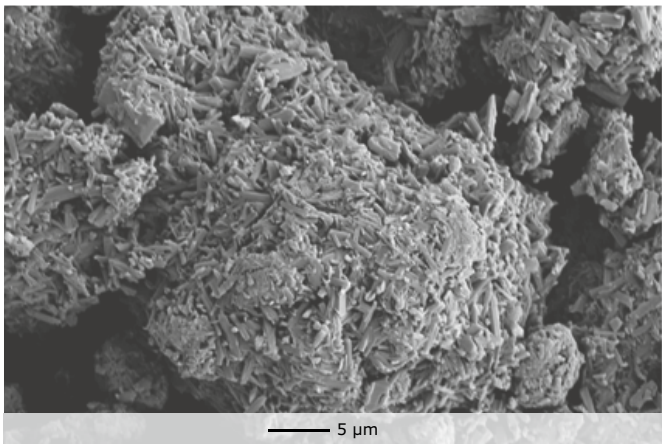

Fig. 1: SEM of Parteck® M: Highly structured surface area.

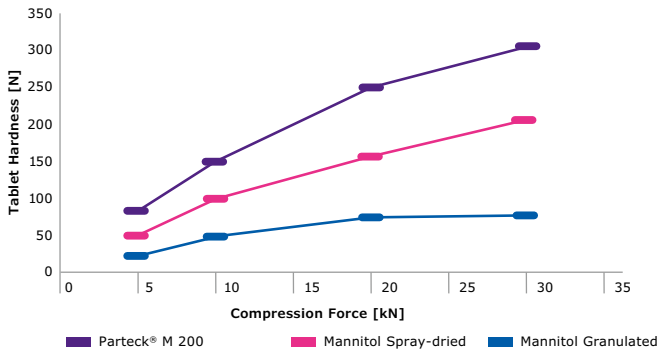

Fig. 2: Parteck® M: Compression profile.

Placebo formula using 1 % magnesium stearate. Granulated and spray-dried mannitol are commercially available mannitol grades for direct compression.

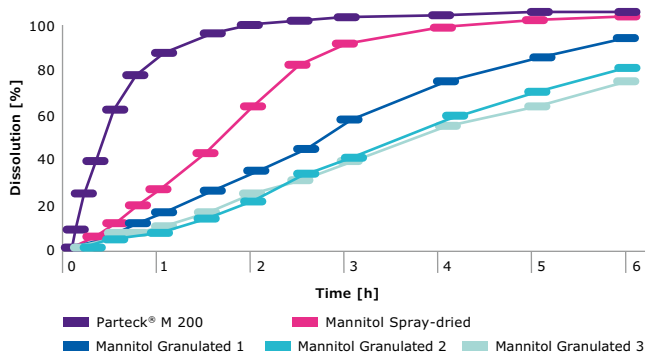

Fig. 3: Disintegration and dissolution profile.

Formulas consisting of 20 % (100 mg) micronized fenofibrate, 1 % Aerosil®, 1.5 % magnesium stearate, and 77.5 % DC-mannitol.

High compactability.

Created with directly compressible mannitol, Parteck® M features an open and filamentary particle structure, allowing you to compact tablets at low forces and hence minimize the wear and tear on your equipment (Fig. 1 and Fig. 2). Parteck® M is also free-flowing, which helps to keep a stable and high-throughput process.

High dilution potential.

Parteck® M is specifically designed as a diluent for tableting active ingredients that do not really lend themselves to compression. With Parteck® M you can include up to 60 % of non-directly compressible actives in your formulas, in order to reduce tablet sizes where high loads of active pharmaceutical ingredients are concerned.

Rapid disintegration and dissolution.

With its unique particle structure and greatly increased surface area, Parteck® M helps even very hard tablets to both disintegrate and dissolve – faster and more easily (Fig. 3).

The Emprove® Program.

Ensuring the compliance of your pharma and bio-pharma products involves the compilation of a vast amount of data, which can be time- and resource-intensive. In order to facilitate and accelerate this process, we developed our Emprove® Program. It includes 400 pharma raw and starting materials and a selection of filtration and single-use products. Each product in the portfolio is complemented with three different types of dossiers supporting you throughout the different stages of your operations: qualification, risk assessment, and process optimization – all designed to help you speed your way through the regulatory maze.

Find out more at:
EMDMillipore.com/emprove

Click. Explore. Learn more.

PARTECK® PRODUCT PORTFOLIO

Excipients for oral solid dosage forms featuring unique particle properties and outstanding individual functionalities such as solubility enhancement or controlled release.
For more information, visit:

EMDMillipore.com/parteck

FORMULATION PRODUCT FINDER APP

Find the right product for specific applications at:

EMDMillipore.com/formulationapp

Need lubrication?

Parteck® LUB is a range of stearates for consistent lubrication performance.

Ordering information

Cat. No.	Product	Pack size
1.00494.2500	Parteck® M 100 EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP, E421	2.5 kg PE bottle
1.00494.9025	Parteck® M 100 EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP, E421	25 kg carton box
1.00419.2500	Parteck® M 200 EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP, E421	2.5 kg PE bottle
1.00419.9025	Parteck® M 200 EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP, E421	25 kg carton box
1.00419.9050	Parteck® M 200 EMPROVE® ESSENTIAL Ph Eur, BP, JP, USP, E421	50 kg carton box

The typical technical data above serve to generally characterize the excipient. These values are not meant as specifications and they do not have binding character. The product specification is available separately at **EMDMillipore.com**

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