

Benecel™ XRF HPMC – optimized matrix for extended-release tablets

How can polymer engineering improve sustained-release applications for oral solid dosage forms?

Hypromellose is the most widely used polymer for controlled release applications for tablets.

Benecel™ XRF HPMC, [Ashland's](#) most recent launch, is a controlled release matrix that features an optimized polymer structure and particle morphology, providing exceptional powder flow and tablet strength.

One of the key features of Benecel™ XRF HPMC is consistent particle size distribution and bulk density, delivering low tablet weight variability and content uniformity, providing robust tablets and consistent drug delivery, especially for large-scale, high-speed processes production.

During large-scale tablet manufacturing, at both low and high tablet press speeds, Benecel™ XRF HPMC demonstrated better tablet weight uniformity than competitive HPMC as it is less sensitive to variations in tablet press speed. Benecel™ XRF HPMC can be used in continuous manufacturing, granulation and direct compression processes.

Additionally, Benecel™ XRF HPMC is recommended for multilayer tablets, providing superior interfacial bonding strength and layer strength.

Contact our solvers to learn more about the benefits of Benecel™ XRF HPMC hypromellose and explore solutions for your developments!

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