

Enhance your extended release products without adding complexity

Carbopol® polymers are reliable, proven tools for extended- and controlled-release tablet formulations.

By combining traditional matrix formers (such as HPMC) with Carbopol polymers, you can achieve key features and benefits in your formulation:

- Smaller, easier-to-swallow tablets with lower overall excipient level
- Tunable release kinetics, even for high dose actives
- Robust tablet formulations with minimal batch-to-batch variability
- Broad API compatibility, including hydrophilic compounds
- **Flexible manufacturing** (direct compression, extragranular addition*)
- Opportunities for IP and 505(b)(2) product development







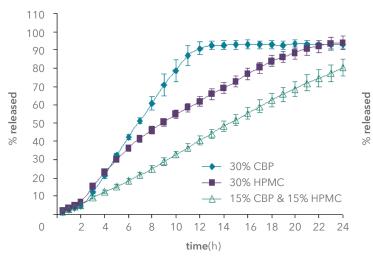
Carbopol Polymers Exhibit Synergy with Hypromellose (HPMC)

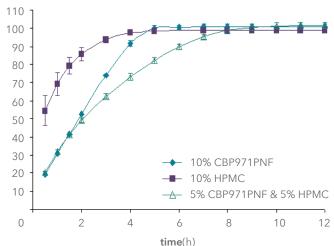
Example 1: Ketoprofen release

Carbopol® 71G NF polymer
50 mg strength
Manufactured via direct compression
USP method for modified release

Example 2: Guafenesin release

Carbopol® 971P NF polymer 100 mg strength Manufactured via wet granulation Dissolution in pH=6.8 buffer





Carbopol polymers combined with hypromellose result in stronger extended release matrices with better control over release



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