

# Corelease OPL™

Controlled Release Osmotic Push Layer



**Colorcon®**

Working Together for a Healthier World

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## Enhance Efficiency in Development and Manufacturing of PPOP

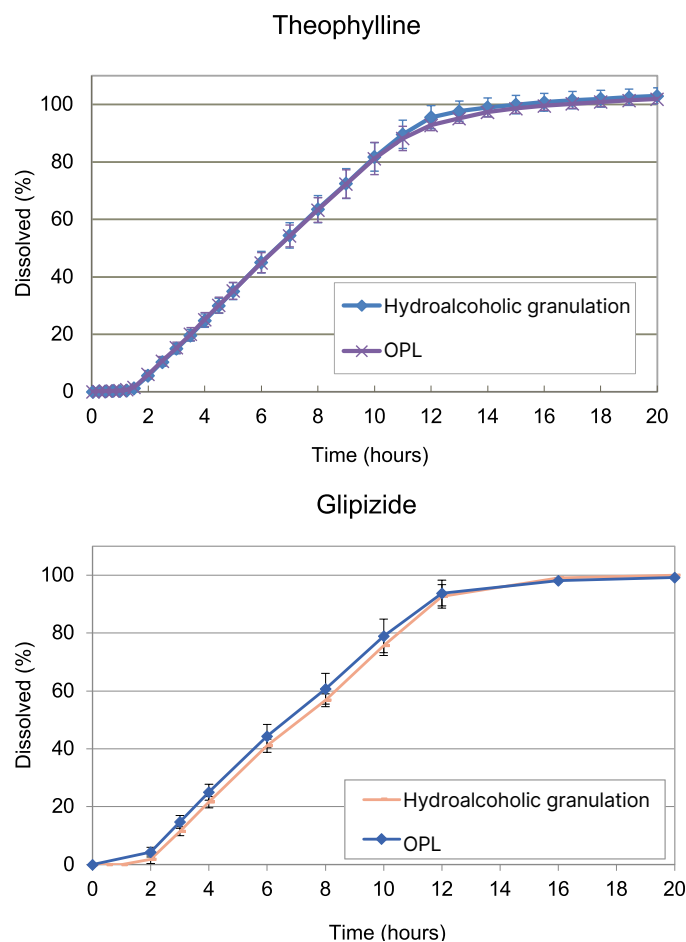
Introducing Corelease OPL™ a direct-to-hopper push layer designed for direct compression production of bilayer Push-Pull Osmotic Pump (PPOP) tablets.

This fully formulated Polyethylene Oxide (PEO)-based system will simplify PPOP development and production, while enhancing manufacturing efficiency. With this streamlined approach to formulation design, you can significantly reduce the number of complex processing steps, such as milling, blending and granulation, accelerate manufacturing and minimize the cleaning efforts associated with the polymer.

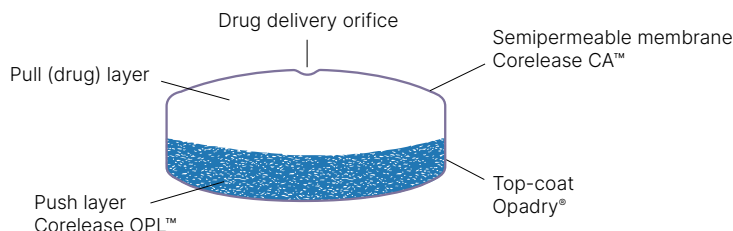
## Improve Manufacturing Efficiency

- Reduce powder handling and manufacturing complexity
- Eliminate multi-step processing and cleaning steps
- Direct compression requires no solvent-based granulation and drying

## Eliminate Solvent Wet Granulation



Drug release profiles using OPL were similar to a high-shear wet granulated push layer in both Theophylline and Glipizide PPOP tablets



## Simplify Development

- Ready-to-use fully formulated push layer
- Proven technology for consistent and reliable zero-order drug release
- Colorcon quality ensuring the same product, every time

## Ease-of-use

- Direct-to-hopper
- One component system
- Improve management of PEO polymer shelf life
- Reduce raw material quality control and supply chain management

Combine with Corelease CA™ Formulated Osmotic Coating System, a one-step semipermeable membrane to enhance consistency and efficiency in osmotic tablet production.

Opadry® colored top-coat can be applied to provide the additional benefits of film coating: branding, differentiation and improved swallowability, while covering the laser drilled hole. Additionally, an imprint may be included for product recognition.

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## Deliver high-performance products with Colorcon

With global technical support, unparalleled quality and regulatory expertise, and reliable supply, Colorcon is your trusted partner in controlled release to help you to streamline complex processes and achieve success.

### Film Coatings

- Optimized formulations to design a unique tablet brand and meet regulatory requirements with customized colors. Innovative coatings for mechanical integrity, gloss finish, and environmental protection.

### Specialty Excipients

- Functional excipients designed for manufacturability and supported by comprehensive application data to streamline development and achieve robust final products.

### Controlled Release Systems

- Eliminate the complexity of drug product development and manufacturing through innovative controlled release formulated systems.

### Functional Packaging

- Colorcon is a leading specialist in providing controlled atmosphere packaging with in-depth knowledge of moisture, oxygen and odor management for healthcare packaging.

[www.colorcon.com](http://www.colorcon.com)

Colorcon is a global company located in North America, Europe, Middle East, Africa, Latin America, India, and China.

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