Functional polymers to take control of your release profile
Versatility and reliability for oral solid dosage forms
IMMEDIATE RELEASE:

- Taste and odor masking, light and moisture protection
- Swallowability improvement
- Soluble in gastric fluid up to pH 5.0
- Swellable and permeable above pH 5.0
- Low viscosity
- High pigment binding capacity
- Excellent adhesion
- High effectiveness in thin coatings

EUDRAGIT® E 100 Granules
EUDRAGIT® E 12,5 Organic solution
EUDRAGIT® E PO Powder
EUDRAGIT® E PO ReadyMix Powder

DELAYED RELEASE:

- Easily combined to achieve a specific dissolution pH
- Highly stable, with rapid dissolution for precise targeting
- Well-defined characteristics to safeguard the gastric mucosa from aggressive actives
- Able to protect the transit of APIs sensitive to gastric fluid

Small Intestine:

EUDRAGIT® L 30 D-55 Aqueous dispersion soluble above pH 5.5
EUDRAGIT® L 100-55 Powder soluble above pH 5.5
EUDRAGIT® FL 30 D-55 NEW Aqueous dispersion soluble above pH 5.5
EUDRAGIT® L 100 Powder soluble above pH 6.0
EUDRAGIT® L 12,5 Organic solution soluble above pH 6.0

Value-adding products:

PlasACRYL® HTP20 Easy-to-use glidant and plasticizer premix, specifically designed for EUDRAGIT® L 30 D-55 formulations

Colonic delivery:

EUDRAGIT® S 100 Powder soluble above pH 7.0
EUDRAGIT® S 12,5 Organic solution soluble above pH 7.0
EUDRAGIT® FS 30 D Aqueous dispersion soluble above pH 7.0
EUDRAGIT® FS 100 Powder soluble above pH 7.0

Value-adding products

PlasACRYL® T20 Easy-to-use glidant and plasticizer premix, specifically designed for EUDRAGIT® FS 30 D formulations

Monographs and DMFs are available for all EUDRAGIT® polymers upon request.
### SUSTAINED RELEASE

- Multiple combination options to control delivery throughout the GI tract
- Solutions for once-per-day dosing, pulsatile release and other custom profiles
- Insoluble with pH-independent permeability
- Flexible options for high or low permeability

<table>
<thead>
<tr>
<th>Product</th>
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<tbody>
<tr>
<td>EUDRAGIT® RL PO</td>
<td>Powder</td>
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<td>EUDRAGIT® RL 100</td>
<td>Granules</td>
</tr>
<tr>
<td>EUDRAGIT® RL 30 D</td>
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<td>EUDRAGIT® RL 12,5</td>
<td>Organic solution</td>
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- Insoluble, high permeability, pH-independent swelling
- Customized release profiles by combining with EUDRAGIT® RS at different ratios

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- Insoluble, low permeability, pH-independent swelling
- Customized release profiles by combining with EUDRAGIT® RL at different ratios

<table>
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<td>EUDRAGIT® NM 30 D</td>
<td>Aqueous dispersion</td>
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- Insoluble, low permeability, pH-independent swelling
- Highly flexible, suitable as matrix formers

### SOLUBILITY AND BIOAVAILABILITY ENHANCEMENT

- Polymer, process technology and formulation solutions
- Specialized in solid dispersions, API and silica technologies
- Well-defined processing characteristics for spray drying and hot melt extrusion
- Robust thermoplastic properties
- Broad miscibility with APIs and excipients
- Down-streaming and further processing options
- Predictive systems to select lead carrier excipients and process parameters for trials

### Immediate Release

- EUDRAGIT® E 100
- EUDRAGIT® E PO
- EUDRAGIT® E 12,5

### Colon Targeting

- EUDRAGIT® FS 100
- EUDRAGIT® S 100

### Delayed Release

- EUDRAGIT® L 100
- EUDRAGIT® L 100-55
- EUDRAGIT® L 12,5

### Chematic® for equipment cleaning

- Customized detergents for EUDRAGIT® RL, RS, NE, NM, L, FL, FS and S
- Suitable for WIP, CIP and manual processes
- Highest cleaning effectiveness
- Fast and safe cleaning process
This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.