RESOMER® and LACTEL®

PORTFOLIO OF EXCIPIENTS FOR PARENTERAL CONTROLLED RELEASE

EVONIK
Leading Beyond Chemistry

The RESOMER® and LACTEL® portfolios provide an industry-leading selection of functional excipients for parenteral controlled release.

Both portfolios are 100% bioresorbable, completely metabolized by the body, and ideal for terminal sterilization. Both RESOMER® and LACTEL® have long stability supported by data and are highly suitable for use with small molecules, peptides, proteins and other substances. Both are supplied from modern, established manufacturing sites in the U.S. and Germany – ensuring extensive options for dual sourcing and supply security.

LACTEL® broad standard catalog of unpurified bioresorbable polymers

The standard LACTEL® portfolio boasts of more than 20 standard polymers available as a cost effective supply due to streamlined manufacturing processes. Common application areas for LACTEL® standard polymers include veterinary medicine, where bioresorbable polymers are used in long-acting injectable formulations, and human generic drug formulations, which require price-sensitive planning and quick shipment to support demanding, fast-paced markets.

LACTEL® STANDARD PRODUCTS

LACTEL PART NO.	POLYMER NAME	ABBREV	INHERENT VISCOSITY (IV) dL/g		END GROUP	DEGRADATION TIME
B6017-1	50:50 Poly(DL-lactide-co-glycolide)	50:50 DL-PLG	0.15 - 0.25	value measured in HFIP	Ester	< 3 months
B6010-1	50:50 Poly(DL-lactide-co-glycolide)	50:50 DL-PLG	0.26 - 0.54		Ester	< 3 months
B6010-2	50:50 Poly(DL-lactide-co-glycolide)	50:50 DL-PLG	0.55 - 0.75		Ester	< 3 months
B6010-3	50:50 Poly(DL-lactide-co-glycolide)	50:50 DL-PLG	0.76 - 0.94		Ester	< 3 months
B6010-4	50:50 Poly(DL-lactide-co-glycolide)	50:50 DL-PLG	0.95 - 1.20		Ester	< 6 months
B6001-1	65:35 Poly(DL-lactide-co-glycolide)	65:35 DL-PLG	0.55 - 0.75		Ester	< 4 months
B6001-2	65:35 Poly(DL-lactide-co-glycolide)	65:35 DL-PLG	0.83 - 0.93		Ester	< 4 months
B6013-1	50:50 Poly(DL-lactide-co-glycolide)	50:50 DL-PLG	0.15 - 0.25		Acid	< 3 months
B6013-2	50:50 Poly(DL-lactide-co-glycolide)	50:50 DL-PLG	0.55 - 0.75		Acid	< 3 months
B6007-1	75:25 Poly(DL-lactide-co-glycolide)	75:25 DL-PLG	0.55 - 0.75	value measured in chloroform	Ester	< 6 months
B6007-2	75:25 Poly(DL-lactide-co-glycolide)	75:25 DL-PLG	0.80 - 1.20		Ester	< 6 months
B6006-1	85:15 Poly(DL-lactide-co-glycolide)	85:15 DL-PLG	0.55 - 0.75		Ester	< 9 months
B6006-2	85:15 Poly(DL-lactide-co-glycolide)	85:15 DL-PLG	0.76 - 0.85		Ester	< 12 months
B6005-1	Poly(DL-lactide)	DL-PL	0.26 - 0.54		Ester	< 12 months
B6005-2	Poly(DL-lactide)	DL-PL	0.55 - 0.75		Ester	< 18 months
B6012-4	75:25 Poly(DL-lactide-co-glycolide)	75:25 DL-PLG	0.70 - 0.90		Acid	< 6 months
B6014-1	Poly(DL-lactide)	DL-PL	0.16 - 0.25		Acid	< 6 months

Further Lactel® polymers are available upon request

RESOMER® - your brand of choice for customization

The RESOMER® standard catalog of parenteral excipients includes Poly (lactide) and Poly (lactide-co-glycolide) polymers with a variety of high and low molecular weights and polymer compositions which can be selected to help tune degradation times over durations of up to 18 months. RESOMER® stands for high quality, and the portfolio includes a selection of customizable options.

POLY (D,L-LACTIDE) RESOMER® R STANDARD POLYMERS

POLYMER NAME	INHERENT VISCOSITY (dl/g)	COMPOSITION	END GROUP	DEGRADATION TIME
RESOMER® R 202 H	0.16 - 0.24	Poly(D,L-lactide)	Acid	< 6 months
RESOMER® R 202 S	0.16 - 0.24	Poly(D,L-lactide)	Ester	< 9 months
RESOMER® R 203 H	0.25 - 0.35	Poly(D,L-lactide)	Acid	< 6 months
RESOMER® R 203 S	0.25 - 0.35	Poly(D,L-lactide)	Ester	< 12 months
RESOMER® R 205 S	0.55 - 0.75	Poly(D,L-lactide)	Ester	< 18 months

POLY(D,L-LACTIDE-CO-GLYCOLIDE) RESOMER® RG STANDARD POLYMERS

POLYMER NAME	INHERENT VISCOSITY (dl/g)	COMPOSITION	END GROUP	DEGRADATION TIME
RESOMER® RG 501 H	0.08 - 0.16	Poly(D,L-lactide-co-glycolide) 50:50	Acid	< 3 months
RESOMER® RG 502	0.16 - 0.24	Poly(D,L-lactide-co-glycolide) 50:50	Ester	< 3 months
RESOMER® RG 502 H	0.16 - 0.24	Poly(D,L-lactide-co-glycolide) 50:50	Acid	< 3 months
RESOMER® RG 503	0.32 - 0.44	Poly(D,L-lactide-co-glycolide) 50:50	Ester	< 3 months
RESOMER® RG 503 H	0.32 - 0.44	Poly(D,L-lactide-co-glycolide) 50:50	Acid	< 3 months
RESOMER® RG 504	0.45 - 0.60	Poly(D,L-lactide-co-glycolide) 50:50	Ester	< 3 months
RESOMER® RG 504 H	0.45 - 0.60	Poly(D,L-lactide-co-glycolide) 50:50	Acid	< 3 months
RESOMER® RG 653 H	0.32 - 0.44	Poly(D,L-lactide-co-glycolide) 65:35	Acid	< 3 months
RESOMER® RG 750 S	0.8 - 1.2	Poly(D,L-lactide-co-glycolide) 75:25	Ester	< 6 months
RESOMER® RG 752 H	0.14 - 0.22	Poly(D,L-lactide-co-glycolide) 75:25	Acid	< 6 months
RESOMER® RG 752 S	0.16 - 0.24	Poly(D,L-lactide-co-glycolide) 75:25	Ester	< 6 months
RESOMER® RG 753 H	0.32 - 0.44	Poly(D,L-lactide-co-glycolide) 75:25	Acid	< 6 months
RESOMER® RG 753 S	0.32 - 0.44	Poly(D,L-lactide-co-glycolide) 75:25	Ester	< 6 months
RESOMER® RG 755 S	0.50 - 0.70	Poly(D,L-lactide-co-glycolide) 75:25	Ester	< 6 months
RESOMER® RG 756 S	0.71 - 1.0	Poly(D,L-lactide-co-glycolide) 75:25	Ester	< 6 months
RESOMER® RG 757 S	0.9 - 1.3	Poly(D,L-lactide-co-glycolide) 75:25	Ester	< 6 months

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 rignse 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.

202202

EVONIK
Leading Beyond Chemistry

Evonik Operations GmbH
Health Care Business Line

healthcare@evonik.com
www.evonik.com/healthcare