

EXPANSORB® polymers: catalog and bulk specifications

Poly (D/L-Lactide) or PLA						
Ratio DL-Lactide	L-Lactide	Glycolide	End Group	Inherent viscosity (dl/g)	Molecular Weight Spec (Mw, kDa)	Expansorb® reference
100	0	0	COOH	0.05-0.20	04-20	10P006
100	0	0	COOH	0.15-0.30	10-25	10P005
100	0	0	COOH	0.40-0.60	40-75	10P018
100	0	0	COOH	0.60-0.80	65-110	10P036
100	0	0	ESTER	0.15-0.30	10-25	10P014
90	10	0	COOH	1.30-1.70	200-250	10P039

Poly (D/L-Lactide-co-Glycolide) or PLGA						
Ratio L/G	DL-lactide	Glycolide	End Group	IV (dl/g)	MW (kDa)	Expansorb®
45/55	45	55	COOH	0,15-0,30	15-30	10P032
50/50	50	50	COOH	0,40-0,55	42-65	10P001
50/50	50	50	COOH	0,65-0,90	80-130	10P012
50/50	50	50	COOH	0,25-0,40	15-40	10P017
50/50	50	50	COOH	0,15-0,25	05-20	10P019
50/50	50	50	COOH	0,47-0,53	50-60	10P028
50/50	50	50	COOH	0,55-0,65	60-85	10P034
50/50 E	50	50	ESTER	0,60-0,70	70-100	10P016
50/50 E	50	50	ESTER	0,55-0,65	60-85	10P022
50/50 E	50	50	ESTER	0,15-0,25	05-20	10P024
55/45	55	45	COOH	0,40-0,50	42-65	10P031
65/35	65	35	COOH	0,50-0,65	45-85	10P013
65/35	65	35	COOH	0,25-0,35	15-40	10P030
65/35 E	65	35	ESTER	0,50-0,65	45-85	10P010
75/25	75	25	COOH	0,38-0,48	40-55	10P042
75/25	75	25	COOH	0,38-0,64	39-80	10P002
75/25	75	25	COOH	0,70-0,90	70-130	10P003
75/25	75	25	COOH	0,80-1,10	100-166	10P004
75/25	75	25	COOH	0,08-0,21	05-20	10P015
75/25	75	25	COOH	0,60-0,70	65-85	10P021
75/25 E	75	25	ESTER	0,66-0,80	80-115	10P011
75/25 E	75	25	ESTER	0,75-1,00	100-150	10P027
75/25 E	75	25	ESTER	0,15-0,30	10-25	10P033
75/25E	75	25	ESTER	0,30-0,50	25-60	10P035
85/15	85	15	COOH	1,00-1,30	ND	10P040
85/15	85	15	COOH	0,55-0,75	65-95	10P008
85/15	85	15	COOH	0,25-0,35	14-26	10P038
85/15	85	15	COOH	0,15-0,25	10-20	10P020
85/15 E	85	15	ESTER	0,25-0,35	14-26	10P044
85/15 E	85	15	ESTER	0,55-0,75	65-95	10P009
85/15 E	85	15	ESTER	1,00-1,30	150-220	10P043
90/10	90	10	COOH	0,35-0,55	30-70	10P007
90/10	90	10	COOH	0,60-0,75	60-95	10P029
95/05	95	5	COOH	0,15-0,25	05-20	10P023
95/05	95	5	COOH	0,25-0,50	25-60	10P025

PLA-PEG or PLGA-PEG						
Ratio L/G	DL-lactide	Glycolide	End Group	IV (dl/g)	MW (kDa)	Expansorb®
50/50	50	50	PEG	0,65-0,80	65-100	10P026
50/50	50	50	PEG	0,45-0,65	30-60	10P037
100	100	0	PEG	0,40-0,60	30-65	10P045
100	100	0	PEG	0,60-0,80	65-95	10P047
75/25	75	25	PEG	0,50-0,70	45-80	10P046
75/25	75	25	PEG	0,70-0,90	80-125	10P048

Additional specs: Bacterial Endotoxins (<5IU/g); TAMC (≤100 CFU/g); TYMC (≤50 CFU/g)

DMF: Drug Master File type IV available - IV: Inherent Viscosity - MW: Molecular Weight (kDa) - E: Ester - COOH: acid - PEG: polyethylene glycol - PLA: poly (D/L, L) lactide - PLGA: poly (D/L-lactide-co-glycolide).

MILLIPORE SIGMA

Expansorb® line:
Catalog & bulk,
please contact
Merck MilliporeSigma

**Poly(ε-caprolactone)
PCL**

Expansorb®
10P201 (IV: 2,15 2,40)
10P202 (IV: 1,35-1,65)
10P203 (IV: 1,00-1,25)
10P204 (IV: 0,40-0,65)

PEKK*
(C, CE, SP)

* Catalog on demand.

**Vitamin E
TPGS**

Custom polymers services

- Specific developments under CDA
- Full development capacity in house: from kilolab to industrial scale
- Analytical resources and manufacturing units operate according to ICHQ7 and cGMP guidelines
- Large scale capacity (FDA inspected sites)
- Full regulatory support: IMPD, DMF filling
- Long term storage (Expansorb®): below -15°C, under dry inert atmosphere

Project management

Project leader and regular reporting
Confidentiality and strict respect
of customer's IP

SEQENS

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