

Outstanding strength. Up to 6x faster degradation.

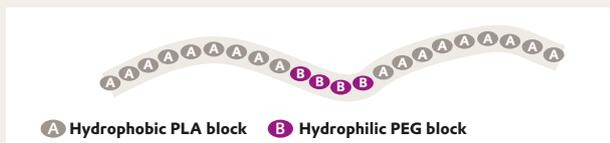
For bioresorbable implant applications

Resomer[®]

PLA-PEG copolymers



Bioresorbable, biocompatible PLA-PEG triblock copolymers

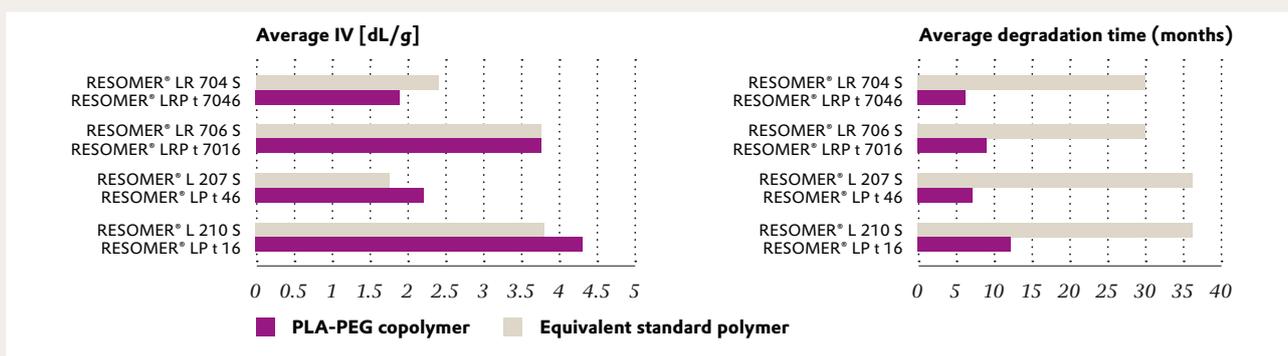


RESOMER® PEG is a commercial platform of triblock copolymers comprised of hydrophobic polylactide (PLA) blocks and hydrophilic polyethylene glycol (PEG) blocks (PLA-PEG-PLA).

The mechanical properties you need. The rapid degradation you want.

Each PLA-PEG copolymer in the standard range replicates the mechanical strength of its equivalent standard polymer but provides degradation rates up to six times faster. With multiple customization options available upon request, the

platform delivers the versatility to enhance performance across a range of applications including wound healing and pediatric implants. Each PLA-PEG copolymer also leverages more than 30 years of safety data for RESOMER®.



Easy to process, with consistent, high-quality performance

All RESOMER® PEG copolymers are purified for low residual monomer content and are compatible with all

relevant technologies including extrusion, compression and injection molding.

NAME	CONTENT		MECHANICAL PROPERTIES		PHYSICAL PROPERTIES	
	MONOMER	PEG	TENSILE STRENGTH (MPa)	YOUNG'S MODULUS (MPa)	T _m °C	T _g °C
RESOMER® LP t 16	100 % L-lactide	1 %	70–80	3500–4500	177	59
RESOMER® LP t 46	100 % L-lactide	4 %	65–75	2500–3500	172	53
RESOMER® LRP t 7016	70 % L-lactide / 30 % D, L-lactide	1 %	60–70	3500–4500	Amorphous	53
RESOMER® LRP t 7046	70 % L-lactide / 30 % D, L-lactide	4 %	60–70	3000–4000	Not applicable	50

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