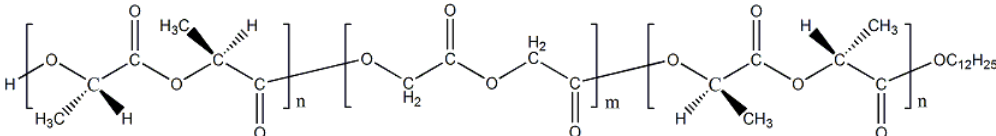
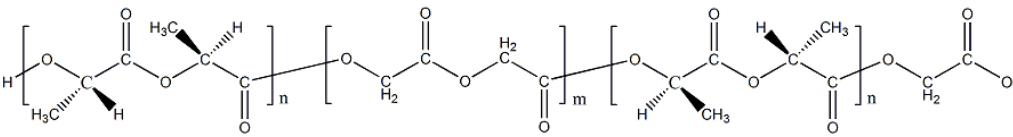




Product data sheet

聚（DL 丙交酯-乙交酯） Poly(DL-lactide-co-glycolide) (PDLGA)

Description	Poly(DL-lactide-co-glycolide) (PDLGA) is an synthetic and biodegradable biomaterial. It is a copolymer based on DL-lactic and glycolic acids. PDLGA has been widely used in drug delivery, such as microspheres.		
Physical-chemical properties	Chemical name	Poly(DL-lactide-co-glycolide)	
	CAS Registry number	26780-50-7	
	Chemical Structure1		
	Molecular formula1	$H \left[C_6H_8O_4 \right]_n \left[C_4H_4O_4 \right]_m \left[C_6H_8O_4 \right]_n OC_{12}H_{25}$	
	Chemical Structure2		
	Molecular formula 2	$H \left[C_6H_8O_4 \right]_n \left[C_4H_4O_4 \right]_m \left[C_6H_8O_4 \right]_n OCH_2COOH$	
Parameter	Item	Test Method	Specification
	Appearance	Visual	White, pale yellow powder or floccule
	Inherent viscosity	Ubbelohde viscometer	0.20-1.80 dl/g
	Residual Solvent	Gas Chromatography	≤0.5%
	Heavy Metal	Chemical Reagent	≤10 ppm
	Sulphated Ash	Sulfuric Acid	≤0.1%
	For each batch a certificate of analysis is provided, showing the analytical data determined in our quality control laboratory. Additional analytical data can be made upon request.		
Packaging	100g/500g/1Kg per aluminum foil bag		



Recommend storage

Stored in a cool and dry place without sunlight, a refrigerator is recommended.
Temperatures (2-8°C)
Notice: PDLGA with intrinsic viscosity below 0.3 is powdered and will be melt at 18-22°C.

Shelf life

When stored in the original packaging at low temperatures (2-8°C), PDLGA keeps its initial properties for at least two years.

Product catalogue	Model	DL-LA/GA Ratio	IV	DL-LA/GA	IV Range dl/g
				Proportional Range	
	PDLG85-03	85/15	0.3	82/18-88/12	0.20-0.40
	PDLG85-05	85/15	0.5	82/18-88/12	0.40-0.70
	PDLG85-08	85/15	0.8	82/18-88/12	0.70-1.00
	PDLG85-12	85/15	1.2	82/18-88/12	1.00-1.40
	PDLG85-16	85/15	1.6	82/18-88/12	1.40-1.80
	PDLG75-03	75/25	0.3	72/28-78/22	0.20-0.40
	PDLG75-05	75/25	0.5	72/28-78/22	0.40-0.70
	PDLG75-08	75/25	0.8	72/28-78/22	0.70-1.00
	PDLG75-12	75/25	1.2	72/28-78/22	1.00-1.40
	PDLG75-16	75/25	1.6	72/28-78/22	1.40-1.80
	PDLG50-03	50/50	0.3	47/53-53/47	0.20-0.40
	PDLG50-05	50/50	0.5	47/53-53/47	0.40-0.70