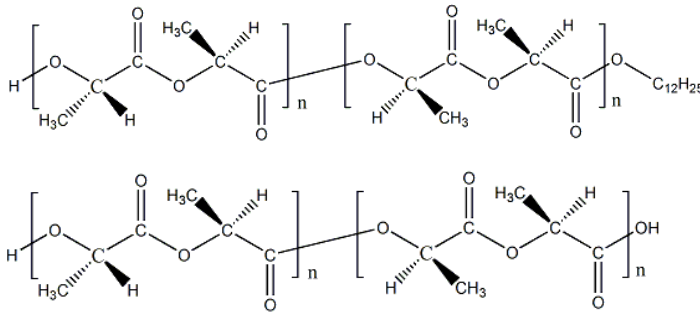




Product data sheet

聚 DL-丙交酯 Poly(DL-lactic acid)(PDLLA)

Description	Poly(DL-lactide) is a kind of biodegradable materials and with good bio resorbability and biocompatibility. Poly(DL-lactide) is currently widely used in many fields, such as cosmetics; microspheres, gel for drug delivery etc.		
Physical-chemical properties	Molecular formula	$(C_6H_8O_4)_n$	
	Chemical name	Poly(DL-lactide), Poly(DL-lactic acid), DL-poly lactide	
	CAS Registry number	51063-13-9	
	Chemical structure		Molecular formula
			$H-[C_6H_8O_4]_m-OC_{12}H_{25}$
			$H-[C_6H_8O_4]_m-OH$
Parameter	Item	Test Method	Specification
	Appearance	Visual	White, pale yellow powder or floccule
	Inherent viscosity	Ubbelohde viscometer	0.30-2.25 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)		
Shelf life	When stored in the original packaging at low temperatures (2-8°C), PDLLA keeps its initial properties for at least two years.		
Product catalogue	Model	IV Range dl/g	Mv Range (ten thousand)
	PDL-05	0.30-0.75	1.17-3.85
	PDL-10	0.75-1.25	3.85-7.47
	PDL-15	1.25-1.75	7.47-11.57
	PDL-20	1.75-2.25	11.57-16.03