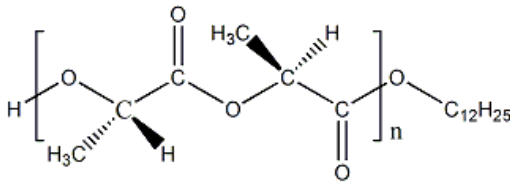
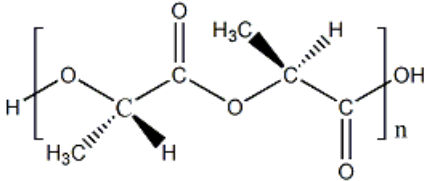




Product data sheet

聚 L-丙交酯 Poly(L-lactide)(PLLA)

Description PLLA as a biodegradable thermoplastic aliphatic polyester, it can be completely degraded in the body. The product is excreted by metabolism and it does not have harm and side effect to the human body. Therefore our products are currently widely used in the field of medical devices, such as absorbable suture, tissue engineering scaffolds, orthopedics, skin filling; microspheres, nanoparticles for drug delivery etc.

Physical-chemical properties	Chemical name	Poly(L-lactide), Poly(L-lactic acid), L-poly lactide	
	CAS Registry number	33135-50-1	
	Chemical structure	Molecular formula	
		$\text{H} \left[\text{C}_6\text{H}_8\text{O}_4 \right]_n \text{OC}_{12}\text{H}_{25}$	
		$\text{H} \left[\text{C}_6\text{H}_8\text{O}_4 \right]_n \text{OH}$	

Parameter	Item	Test Method	Specification
	Appearance	Visual	White, pale yellow powder
	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), PLLA keeps its initial properties for at least two years.

Product catalogue	Model	IV Range dl/g	Mv Range (ten thousand)
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吉林省睿美莱进出口贸易有限公司

Rimless Industry Co.,Ltd

PL-05	0.30-0.75	0.6-2.0
PL-10	0.75-1.25	2.0-4.0
PL-15	1.25-1.75	4.0-6.4
PL-20	1.75-2.25	6.4-9.0
