

# Bioabsorbable Polyester Raw Materials

AccuPath® bioabsorbable polyester raw materials can be flexibly customized in terms of intrinsic viscosity, degradation cycle, end-group modification, blending modification, etc., to meet the needs of a wide variety of high-end medical device applications.



## Key Features

- Type: PLLA, PDLLA, PCL, PLGA, PLCL, PDLG, PLDL, PLLA/TCP, PLLA/HA, PLGA/TCP, PLGA/HA
- Viscosity: 0.5-7.0 dL/g
- High Molecular Weight: Up to 1500kDa

Performance: Multiple homopolymer/copolymer/end-group modification/composite options, lower PDI, ability to customize molecular weight

## Applications

- Controlled drug release coating
- Drug carrier
- Orthopedic implants
- Cosmetic tissue augmentation

Technical Data	Unit	Typical Value
Material		PLLA, PDLLA, PCL, PLGA, PLCL, PDLG, PLDL, PLLA/TCP, PLLA/HA, PLGA/TCP, PLGA/HA
Intrinsic viscosity	dL/g	0.5-7.0
Monomer ratio		9:1-5:5
Molecular weight & Dispersity	kDa	Mw: 20-1500kDa, PDI: 1.1-2.0
Monomer residue	%	<0.1
Solvent residue	%	<0.5
Water residue	%	<0.5
Tin residue	ppm	<100
Heavy metal residue	ppm	<20
Cytotoxicity	%	≥95
Hemolysis	%	<1

## Quality Management

AccuPath implements a strict ISO13485 quality management system and builds a standardized 10,000-grade purification workshop to ensure that the products meet the biological requirements of medical devices. At the same time, advanced manufacturing equipment and precision measuring instruments, as well as strict inspection and testing methods, ensure that the quality of the products meets the requirements for the use of high-end medical devices.

## Ordering Information

Our experts can guide you in material selection, tubing/filament specifications, and custom-cut lengths to fit your specific biodegradable tubing/filament requirements.