

Poly(D,L-lactide-co-glycolide), 50:50, IV 0.4 dl/g, acid-terminated

Catalog Number: 26270

DESCRIPTION

Poly(DL-lactide-co-glycolide) (PLGA) is a well-established biodegradable polymer used in medical devices and drug delivery applications. In comparison to poly(L-lactide) (PLLA), PLGA offers control over degradation rate and glass transition temperatures by modification of the glycolide content. The control of these properties makes PLGA especially well-suited for drug delivery applications that require controlled release. Acid-terminated PLGA allows for easy conjugation to drugs.

SPECIFICATIONS

CAS Number	26780-50-7
Appearance	Solid
Storage	$[C_3H_4O_2]_x[C_2H_2O_2]_y$
Viscosity Molecular Weight	22,000 - 45,000
Inherent Viscosity	0.30 - 0.50 dL/g (25°C; CHCl ₃ ; 0.5 g/dL)
Lactide/Glycolide	45-55/45-55 (mol%)
Acid Number	≥ 6 (mg KOH)/g

PREPARATION

PLGA is soluble in most organic solvents such as dichloromethane (DCM), tetrahydrofuran (THF), ethyl acetate, chloroform, and acetone.

