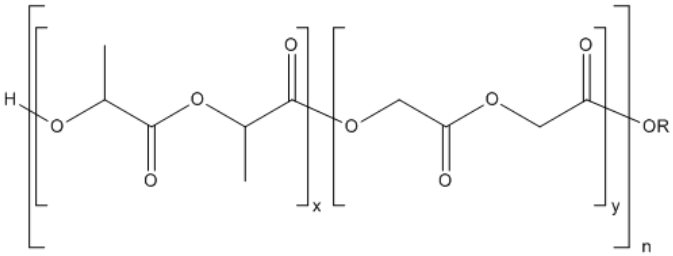
Resomer®
An Evonik product.

Technical Information

RESOMER® RG 753 S

Specification

General Information

CAS number:	26780-50-7
Chemical name:	Poly(D,L-lactide-co-glycolide)
Chemical structure:	
Molecular formula:	$-[(C_6H_8O_4)_x(C_4H_4O_4)_y]_n-$

Specifications

Description:	White to off-white solid
Odor:	Nearly odorless
Identity:	NMR-spectrum conforms to reference Acid number ≤ 1 mg KOH/g
Polymer composition:	73:27 to 77:23 molar ratio D,L-lactide : glycolide
Inherent viscosity:	0.32 - 0.44 dL/g
Residual monomer:	≤ 0.5 % D,L-lactide ≤ 0.5 % glycolide
Residual solvent:	≤ 0.1 % acetone ≤ 890 ppm toluene ≤ 0.1 % total
Water:	≤ 0.5 %
Tin:	≤ 200 ppm
Sulphated ash:	≤ 0.1 %
Average glycolate block length:	Report results
Polystyrene equivalent molecular weight (Mw, Mn, Mw/Mn):	Report results

TAMC (Total Aerobic Microbial Count):	≤ 2000 CFU/g
TYMC (Total Combined Yeast/ Mould Count):	≤ 200 CFU/g
Bacterial endotoxins:	≤ 6 EU/g

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September 2023

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