Effective Polymer Analysis
Agilent PLgel 5 µm MIXED-D Columns

Technical Overview

Introduction

The PLgel 5 µm MIXED-D column is specifically designed for the analysis of polymers, paints and resin systems where material above 400,000 MW is unlikely to be present. High pore volume, concentrated in this operating range, combined with the 5 µm efficiency, provides excellent resolution for low MW polymers and oligomers. Two, or even three, PLgel 5 µm MIXED-D columns are the perfect replacement for the popular 10^4/500 Å or 10^4/10^3/500 Å/100 Å column combinations.

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Polymers produced by condensation polymerization rarely contain material above 400,000 molecular weight and are therefore ideally analyzed using PLgel 5 µm MIXED-D columns.

Column:	2 x PLgel 5 µm MIXED-D, 300 x 7.5 mm (part number PL1110-6504)
Eluent:	THF
Flow Rate:	1.0 mL/min
Detection:	RI

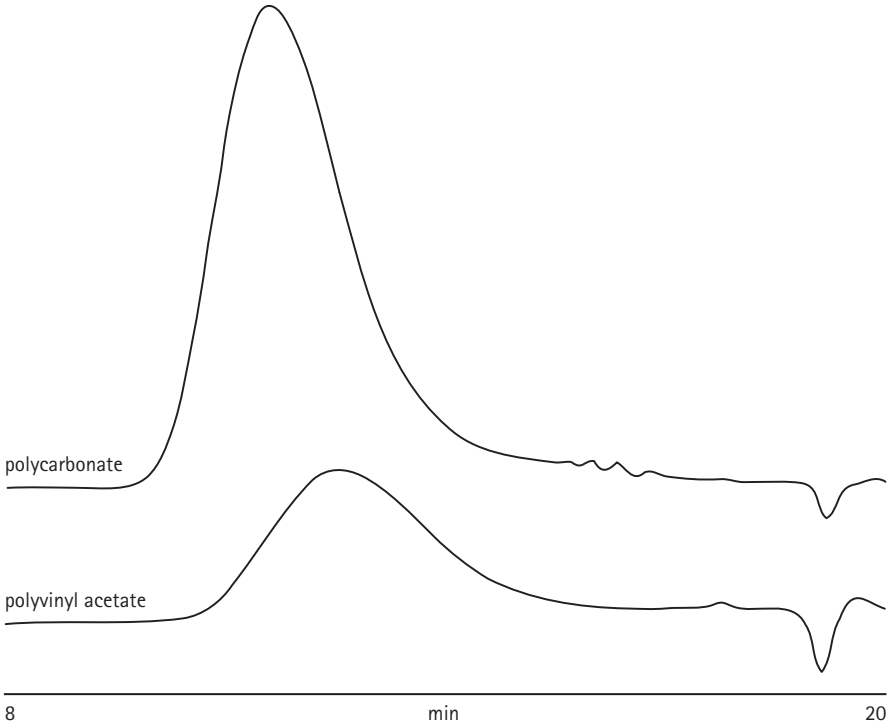

Figure 1. Analysis of condensation polymers using a PLgel 5 µm MIXED-D column set

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Published in UK, September 21, 2010
SI-01829

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