Efficient Analysis of Condensation Resins
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, 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 10^5/10^4/500 Å/100 Å column combinations.
A variety of resins, produced by condensation polymerization, can be analyzed using three columns.

Column: 3 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 resins using PLgel 5 μm MIXED-D columns