

# Steric exclusion liquid chromatography of polymers

Dekker - STERIC EXCLUSION LIQUID CHROMATOGRAPHY OF POLYMERS By Josef Janca



Description: -

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## Steric Exclusion Chromatography

This might involve the use of a polydextran carbohydrate , which has hydroxyl groups on the surface of the pores.

## Polymer separations by liquid interaction chromatography: Principles

The two representations for the shape of a molecule shown in Figure 53 point out a potential problem with equating size with molecular weight.

## Liquid Interaction Chromatography of Polymers

If we then showed a chromatogram for a series of compounds being separated on a steric exclusion, it might look like that shown in Figure 52. In the last decade, the use of interaction chromatography and hyphenated techniques has become increasingly important for the characterization of polymeric materials. Representation of the molecular size of spherical left and rod-shaped right molecules.

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The peak labeled 5, which has the longest retention time 0.

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Styrene Divinylbenzene If we just had styrene, and conducted a polymerization, we would get a long, single-bonded chain of carbon atoms with phenyl rings attached to it. Therefore the characterization of polymers cannot be restricted to the determination of mean values but must yield information on these distributions.

## Multidetectors for Analysis of the Composition of Copolymers as a Function of Molecular Size Distribution by Steric Exclusion Chromatography

It cannot be known whether it is one compound or a mixture of two or more small compounds.



## Related Books

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