## Errata Notice

This document contains references to PSS or Polymer Standards Service. Please note that PSS is now Agilent. This document will be republished as an Agilent document in the future.


## \# 10084 - Column Application Note A part of Agilent Characterization of an Poly(ethylene-vinyl acetate) Copolymer

Ethylene-vinyl acetate copolymers are copolymers from ethylene and vinyl acetate. Both monomers react after radical initiation statistically in any ratio. The ratio of ethylene and vinyl acetate determines the properties of the copolymers. They are used for heat/weather resistant tech. rubber products like sealings, also for foils and profiles in building industry, as additives for impact resistant PVC, as softener for PVC and for improving of the ozone resistance of SBR and natural rubber.

## Experimental Setup

Mobile Phase:
Stationary Phase:
Flow rate [mL/min]:
Temperature $\left[{ }^{\circ} \mathrm{C}\right]$ :
Detection:
Calibration:
Data processing:

Tetrahydrofuran
PSS SDV
0,75
25
Shodex-RI71
ReadyCal-Kit Poly(styrene) PSS WinGPC

Recommandations for Sample Concentration narrow PDI

M 100 Da - 10000 Da : M $10000 \mathrm{Da}-1000000 \mathrm{Da}$ : M > 1000000 Da: broad PDI (>1.5) all molar masses: Injection volume $[\mu \mathrm{L}]$ :
$2 \mathrm{~g} / \mathrm{L}$
$1-2 \mathrm{~g} / \mathrm{L}$
$0.5 \mathrm{~g} / \mathrm{L}$ or less
$3.0-5.0 \mathrm{~g} / \mathrm{L}$ 100

P/N 201-0001 (set of 3) OR sda083003lis (1 linear) P/N 201-0002 (set of 2) OR sda083005lim (1 linear) P/N 201-0003 (set of 3) OR sda083005IxI (1 linear) P/N 202-0001 (set of 3)


## Suitable Columns

low molecular weights: medium molecular weights: high molecular weights: ultrahigh molecular weights:

Molar Mass Distribution
Elugram and Calibration separation on PSS SDV separation on PSS SDV



