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A novel time lag method for the analysis of mixed gas diffusion in polymeric membranes by on-line mass spectrometry: method development and validation.

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Abstract

A novel method to determine the individual diffusion coefficients of gases in a mixture during their permeation through polymeric membranes is described. The method was developed in two independent laboratories, using rubbery Pebax[®] and glassy Hyflon[®] AD60X membrane samples as

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