

# Transport Properties of Gases in Polymers: Experimental Methods

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**Résumé — Méthodes de mesure des coefficients de transport de gaz dans les polymères —** La perméabilité aux gaz des polymères est une propriété inhérente à leur structure, qui résulte de la solubilisation des fluides dans la matière, puis de la diffusion de ces produits à travers la matrice polymère. L'aptitude d'un gaz à pouvoir traverser plus ou moins rapidement un matériau peut être mise à profit dans de nombreux domaines industriels. Des polymères très peu perméables sont par exemple recherchés dans des domaines aussi divers que la production pétrolière, l'emballage alimentaire ou le domaine automobile. Dans les applications pétrolières, la fonction principale des polymères est d'assurer l'étanchéité des structures telles que les conduites. Dans ce cas, les matériaux sont au contact de gaz à haute température et sous forte pression et les informations concernant les coefficients de transport dans ces conditions extrêmes ne sont généralement pas disponibles dans la littérature. C'est pourquoi certains appareillages susceptibles de donner accès à ces valeurs ont été développés. Après quelques rappels théoriques des méthodes de calcul pour l'obtention des coefficients de transport et une brève revue bibliographique des différentes techniques expérimentales existantes, les différents montages expérimentaux étudiés sont décrits précisément.

*Mots-clés : perméabilité, diffusion, solubilité, polymères, gaz, méthodes expérimentales.*

**Abstract — Transport Properties of Gases in Polymers: Experimental Methods —** The permeability of gases in polymers is a property inherent to their structure, which results, firstly, from the absorption of fluids by the material, then, from the diffusion of these products through the polymer matrix. The capacity of a gas to cross more or less fast a material can be used in numerous industrial domains. For example, polymers of low permeability are looked for in domains as different as the oil production, the food packaging or the automotive industry. For oil applications, the main function of polymers is to ensure the leakproof of pipes for example. In that case, materials are in contact of gas at high temperature and high pressure. As the information concerning the gases transport coefficients in these extreme conditions was not available in literature, devices able to give access to these properties were developed. In this paper, the methods for obtaining the transport coefficients and a brief bibliographical review of the various existing experimental techniques are presented. Then, the various experimental devices developed are described in detail.

*Keywords: permeability, diffusion, solubility, polymers, gas, experimental methods.*

# Transport Properties In Gases

**J. V. Sengers**



## **Transport Properties In Gases:**

**Transport Properties in Gases** AB Cambel (Ed),1958 *A Density Expansion for the Transport Properties of Gases*  
Jose Jorge Perez-Esandi,1976 **Transport Properties in Gases** ,1958 Transport Properties of Gases at High  
Temperatures Charles F. Bonilla,COLUMBIA UNIV NEW YORK DEPT OF CHEMICAL ENGINEERING.,1958 **Transport  
Properties in Gases** ,1958 **Transport Properties in gases** ,1958 **Transport Properties of Gases Obeying the  
Morse Potential** S. E. Lovell,J. O. Hirschfelder,1962 The first six of the Chapman Enskog collision integrals were calculated  
for gases obeying the Morse potential Along with the collision integrals certain commonly used ratios are tabulated for 42  
temperatures reduced ranging from 0.1 to 200 and for 6 values of the free parameter in the potential *The Transport  
Properties of Gases According to the Square-well Intermolecular Potential* Eugene Martin Holleran,1949 **Experimental  
Determination of Transport Properties of High Temperature Gases** ,1967 **Transport Properties of Gases and  
Binary Liquids Near the Critical Point** J. V. Sengers,1972 Transport Properties in High Temperature Gases D. J.  
Dobbs,1973 *Transport Properties and Potential Energy Models for Monatomic Gases* Hui Li,Frederick R. W.  
McCourt,2024-01-04 This book offers extensive knowledge and practical guidance for readers working on non equilibrium  
phenomena The book can also serve as supplementary reference for a course of non equilibrium statistical mechanics

**Review of Work on the Transport Properties of Gases and Gas Mixtures** P. E. Liley,1933 **Transport  
Properties of Gases with Rotational States** Frederick Richard Wayne McCourt,1966 **Transport Properties of Fluids**  
Jürgen Millat,J. H. Dymond,C. A. Nieto de Castro,1996-06-13 This book describes the most reliable methods for evaluating  
the transport properties of pure gases and fluid mixtures such as viscosity thermal conductivity and diffusion The authors  
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different regions of temperature and pressure In addition to the important theoretical tools the authors cover the different  
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Society,NORTHWESTERN UNIVERSITY., Thermodynamics and Transport Properties of Gases, Liquids and Solids Yeram  
Sarkis Touloukian,1959 **The Transport Properties of Gases and Inter-molecular Forces** F. A. Johnson,1954  
**Thermodynamic and Transport Properties of Gases, Liquids and Solids** American Society of Mechanical Engineers.  
Committee on Thermophysical Properties,1959 *Proceedings of the International Seminar on the Transport Properties of  
Gases* International Seminar on the Transport Properties of Gases, Providence, R.I., 1964,Joseph Kestin,John Ross,Brown

University, 1964

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