

THERMAL CONDUCTIVITY
MEASUREMENTS
OF **INSULATING**
MATERIALS
AT CRYOGENIC TEMPERATURES



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AMERICAN SOCIETY FOR **TESTING** AND **MATERIALS**

THERMAL CONDUCTIVITY MEASUREMENTS OF INSULATING MATERIALS AT CRYOGENIC TEMPERATURES

A symposium
presented at a meeting of
Committee C-16 on
Thermal Insulating Materials
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NOTE

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Foreword

Serious attention is being given to thermal conductivity measurements of insulating materials at cryogenic temperatures. The need for improvement of existing means of measurement and the development of new apparatus is actively being pursued in ASTM Committee C-16 on Thermal Insulating Materials.

This symposium was sponsored by Committee C-16 to encourage more interest in the subject and to have the benefit of additional knowledge as presented by the various participants.

The Symposium consisted of nine papers and an introduction. The some seventeen or so authors contributing are undoubtedly among the best informed and qualified technical personnel available.

The Symposium was held on 15 February, 1966 at ASTM Headquarters in Philadelphia, Pa. P. E. Glaser, Arthur D. Little, Inc., presided over the morning session with R. H. Kropschot, National Bureau of Standards, presiding over the afternoon session. The joint chairmen of the Symposium were P. E. Glaser (General Chairman), R. H. Kropschot and H. E. Robinson, National Bureau of Standards (Co-chairmen).

Related ASTM Publications

**Report on Physical Properties of Metals and Alloys
from Cryogenic to Elevated Temperatures,
DS 22 (1961), \$4.75**

**Behavior of Materials at Cryogenic Temperatures,
STP 387 (1966), \$8.50**

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THIS PUBLICATION is one of many issued by the American Society for Testing and Materials in connection with its work of promoting knowledge of the properties of materials and developing standard specifications and tests for materials. Much of the data result from the voluntary contributions of many of the country's leading technical authorities from industry, scientific agencies, and government.

Over the years the Society has published many technical symposiums, reports, and special books. These may consist of a series of technical papers, reports by the ASTM technical committees, or compilations of data developed in special Society groups with many organizations cooperating. A list of ASTM publications and information on the work of the Society will be furnished on request.

