

# GLOSSARY OF TERMS

*relating to*

## Rubber and Rubber-Like Materials



Reg. U.S. Pat. Off.

*Prepared by ASTM Committee D-11  
on Rubber and Rubber-Like Materials*

---

*ASTM Special Technical Publication No. 184*

---

---

*Published by the*  
AMERICAN SOCIETY FOR TESTING MATERIALS  
1916 Race St., Philadelphia 3, Pa.

# GLOSSARY OF TERMS

*relating to*

## Rubber and Rubber-Like Materials



Reg. U.S. Pat. Off.

*Prepared by ASTM Committee D-11  
on Rubber and Rubber-Like Materials*

---

*ASTM Special Technical Publication No. 184*

---

*List Price: \$3.00*  
*Price to ASTM Members: \$2.25*

---

*Published by the*  
AMERICAN SOCIETY FOR TESTING MATERIALS  
1916 Race St., Philadelphia 3, Pa.

---

Copyright, 1956  
by the  
AMERICAN SOCIETY FOR TESTING MATERIALS

---

Printed in Baltimore, U.S.A.  
August, 1956  
*Second Printing*, February, 1959

## FOREWORD

---

This Glossary has been assembled by a committee of five at the request and under the encouragement of Simon Collier, chairman of ASTM Committee D-11 on Rubber and Rubber-Like Materials. The work of preparing a glossary is long, hard, and arduous. It can never be finished.

A glossary containing about one third the number of terms was published in the *Vanderbilt News*, 1932, and these have been reviewed and revised by two members of the committee. Also, and after the committee had been working for some time, there was published, with the knowledge and aid of the chairman, the "Glossary of Terms for Visible Defects Occurring in Rubber Manufacture" (NAVSHIPS 250-344-1). In addition, a "Glossary of Terms Used by the Mechanical Rubber Goods' Manufacturing Industry," prepared by the Technical Committee of the Rubber Manufacturers Assn., has been reviewed. Many of the terms from these sources are included in this glossary.

Reference books and journals were used extensively. Several of the books are the following:

"The Chemistry and Technology of Rubber," edited by Carroll C. Davis and John T. Blake, American Chemical Society *Monograph No. 74*, Reinhold Publishing Corp., New York (1937).

"The Science of Rubber," edited by K. Memmler, authorized English translation, edited by R. F. Dunbrook and V. N. Morris, Reinhold Publishing Corp., New York (1934).

"Principles of High-Polymer Theory and Practice," Alois X. Schmidt and Charles A. Marlies, McGraw-Hill Book Co., Inc., New York (1948).

Wellington Sears Industrial Fabrics Handbook.

"Report on Nomenclature in the Field of Macromolecules," International Union of Pure and Applied Chemistry, *Journal of Polymer Science*, Vol. 8, pp. 257 to 277 (1952).

A number of persons have helped members of the committee, and their assistance has been received with thanks.

This glossary was mimeographed early in 1954 and copies were sent to persons who would be interested. Several of these persons read it carefully and wrote very good suggestions for corrections, additions, and matters of policy. The chairman considered all these suggestions in detail, made good use of them, and took the responsibility of making the final arrangements for the printing. The committee is especially grateful to those who spent so much time and effort in making their suggestions.

Some trade names of apparatus and of chemicals are given in an Appendix to the Glossary, but only those chemicals are included whose chemical composition has been published.

If any errors are found in this glossary it is requested that they be brought to the attention of the secretary of Committee D-11, Mr. J. J. Allen, Firestone Industrial Products Co., Akron 17, Ohio. Corrections and suggestions will be gratefully received.

HARRY L. FISHER, *Chairman*  
Subcommittee VIII of ASTM Committee D-11  
on Rubber and Rubber-Like Materials.

JOHN M. BALL  
LAVERNE E. CHEYNEY (Deceased)  
DON B. FORMAN  
WILLIAM F. RUSSELL

---

*The Society is not responsible, as a body, for the  
statements and opinions advanced in this publication.*

---

THIS PUBLICATION is one of many issued by the American Society for Testing 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.

