## FOREWORD

In keeping with the primary objective of the American Society for Testing and Materials, this tabulation of Physical Constants of Hydrocarbons C<sub>1</sub> to C<sub>10</sub> is published for the promotion of accurate knowledge of the materials that serve in the fields of chemistry and chemical engineering.

To serve the maximum number of engineers and other scientists, the tabulation furnishes constants in both the English engineering and Metric systems of measurement.

The major sources of data for the tabulation are the findings of Research Project 44, Data on Hydrocarbons and Related Compounds, and Research Project 45, Synthesis, Purification, and Properties of Hydrocarbons of Low Molecular Weight, of the American Petroleum Institute. These data are either critically selected, precisely calculated or of good experimental quality. Data included from other sources are shown in italics. Data calculated for this compilation are shown in parentheses. The atomic weights used are based on Oxygen = 16.000, Carbon = 12.01, and Hydrogen = 1.008. The recent changes in the atomic weight scale are so small that for engineering use the change in the atomic weight scale is not important.

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