



UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899-0001

DATE: 02 April 2020

Product Identifier

SRM Number: 1450e

SRM Name: Thermal Conductivity – Fibrous Glass Board

Under the U.S. Department of Labor, Occupational Safety and Health Administration (OSHA) 29 CFR 1910.1200, this Standard Reference Material (SRM) is NOT classified as a physical hazard or a health hazard, a simple asphyxiant, combustible dust, pyrophoric gas, or hazard not otherwise classified. There are no hazard pictograms, hazard statements or signal word associated with it. Safety Data Sheet information is not required. This document may be used in conjunction with your hazard communication program.

Exemption: 1910.1200 (c). This SRM is an Article, as the word is defined by OSHA, where *Article* means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical (as determined under paragraph (d) of 1910.1200), and does not pose a physical hazard or health risk to employees.

Description: This SRM is intended primarily for use in the measurement of the thermal conductivity or thermal resistance of insulation materials. SRM 1450e is a high-density fibrous glass board certified for bulk density (ρ) and thermal conductivity (λ). The SRM can be used in conjunction with ASTM C177 or ASTM C518. A unit of SRM 1450e consists of a square panel of fibrous glass and phenolic binder molded into a semi-rigid board. The nominal dimensions of a unit are 610 mm \times 610 mm \times 25 mm, and the bulk density of the material lot ranges from 110 kg \cdot m⁻³ to 154 kg \cdot m⁻³.

Disposal: SRM 1450e should be disposed of in accordance with local, state, and federal regulations.

Transport Information: This material is not regulated by the U.S. Department of Transportation (DOT) and/or International Air Transport Association (IATA).

Disclaimer: This document was prepared carefully, using current references. Users of this SRM should ensure that this document and the corresponding Certificate in their possession are current. This can be accomplished by contacting the SRM Program: telephone (301) 975-2200; fax (301) 948-3730; e-mail srmmsds@nist.gov; or via the Internet at <https://www.nist.gov/srm>.