

National Bureau of Standards

Certificate

Standard Reference Material 1002b

Surface Flammability Standard

Flame Spread Index = 190

The flame spread index given above is that of the smooth side of representative samples from lot 1002b of 1/4 inch tempered smooth-one-side fibrous-felted hardboard. Flame spread measurements in accordance with the detailed procedures outlined in ASTM Standard E162-67 were performed on the smooth side of a representative number of samples from this lot and the data resulting from these measurements are listed below:

Property	Number of Tests	Average Value	Coefficient of Variation (%)
Flame Spread Index, I	12	190	5.9
Heat Evolution Factor, Q	12	45.4	4.4

The surface flammability standard is recommended for checking the operation of the radiant panel test equipment but does not obviate the need for following the prescribed calibration and standardization techniques outlined in ASTM Standard E162.

NOTE: Prior to test, the material must be dried for 24 hours at 140 °F and then conditioned to equilibrium at $73 \pm 5^\circ$ F and 50 ± 5 percent relative humidity.

Engineering testing leading to the certification of this Standard Reference Material was performed by D. Gross of the Fire Research Section.

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J. Paul Cali, Chief
Office of Standard Reference Materials