

203.15 - Thermal Conductivity (Iron -rod form, Fibrous Glass board, and Polystyrene board) and Thermal Resistivity

[For further information for SRM 1453 see: SP260-175](#)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	Description	Unit Size	Conductivity at 293 K ($W \cdot m^{-1} \cdot K^{-1}$)	Temperature Range (K)
1450e	Thermal Conductivity - Fibrous Glass Board	each	0.032	280 to 360
1453	Thermal Conductivity - Expanded Polystyrene Board	each	0.033	281 to 313
8420	Electrolytic Iron	0.64 D x 5.0	77.9	2 to 1000

SRM	Description	Unit of Issue	Thermal Resistance at 293 K ($m^2 \cdot K \cdot W^{-1}$)	Temperature(K)
1452	Thermal Resistance - Fibrous Glass Blanket for High Precision Measurements	each	0.6	297.1

- Certified values are normal font
- Non-certified or reference values are italicized
- Non-certified values in parentheses are for information only