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Titolo	Thermophysical Properties and Measuring Technique of Ge-Sb-Te Alloys for Phase Change Memory // by Rui Lan
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Descrizione fisica	1 online resource (XI, 139 p. 120 illus., 64 illus. in color.)
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Lingua di pubblicazione	Inglese
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Nota di contenuto	Introduction -- Establishment of the hot strip method for thermal conductivity measurements of Ge-Sb-Te alloys -- Thermal conductivities of Ge-Sb-Te alloys -- Electrical resistivities of Ge-Sb-Te alloys -- Thermal conduction mechanisms and prediction equations of thermal conductivity for Ge-Sb-Te alloys -- Densities of Ge-Sb-Te alloys -- Summary and conclusions. .
Sommario/riassunto	This book focuses on the thermophysical properties of Ge-Sb-Te alloys, which are the most widely used phase change materials, and the technique for measuring them. Describing the measuring procedure and parameter calibration in detail, it provides readers with an accurate method for determining the thermophysical properties of phase change

materials and other related materials. Further, it discusses combining thermal and electrical conductivity data to analyze the conduction mechanism, allowing readers to gain an understanding of phase change materials and PCM industry simulation.
