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YB

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

YB/T 6166-2024

**Determination of Sheet Resistance of Graphene Films by
Four-Probe Method
(English Translation)**

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What this standard covers

This standard specifies the method for measuring the sheet resistance of graphene film, including the principle of the method, instruments and equipment, test conditions, test steps, result calculation and data collection and test report. This standard is applicable to the determination of the sheet resistance of graphene film that is visually flat and attached to the surface of the substrate. The length and width of the graphene film are not less than 50mm. The measurement range of sheet resistance is $1 \times 10^{-3} \sim 1 \times 10^3 \Omega$. This standard can also be applied to the measurement of higher or lower sheet resistance, but its measurement accuracy has not been evaluated.

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