



# Introduction

## ZL-7051 Finished Shoe Heat Insulation Tester



### Tester Introduction:

The instrument used to test the entire shoe, sole material (such as rubber, polymer) the ability of high temperature insulation.

### Test principle:

The sandbox is heated to 150 ° C, so that the sand covers the contact area between the sample upper and the sole, and records the temperature change of the insole within 30 minutes to the nearest 0.5 ° C.

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Technical Parameters:

1. Sandbox size: 400 × 400 × 80 mm
2. Sandy Height: ≥5 cm
3. Sand size: 0.3 ~ 1.0 mm
4. Test temperature: 150 ± 5 °C or 250 ± 5 °C
5. Heat transfer medium: Φ5 mm steel ball, the total mass of 4 kg
6. Copper / copper-nickel thermocouple: Weld a copper disc of 2 ± 0.1 mm in diameter and 15 ± 1 mm in diameter
7. Temperature measurement and recording device: with the use of copper discs, with temperature compensator
8. Temperature control accuracy: ± 2 °C
- 9 hot plate maximum temperature: 250 °C
- 10.Heating power: 2.5 KW
- 11.Dimensions: about 500 × 500 × 360 mm (L × W × H)
12. Weight: about 53 kg
13. Power: AC 220V, 5 A.

**Meeting standards:** EN ISO 20344

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