



Applies to any pliable material, or assembly of materials

To evaluate the behaviour of materials used for protective clothing when such materials are struck by small liquid metal splashes, especially when molten steel particles are projected against the material.

Clothing designed for protecting wearers against small splashes of molten metal is often submitted to high thermal loads and so an important function is the resistance to heat transfer through the protective material.

Test Method

Drops of molten metal are formed by melting the ends of a steel rod by means of an oxyacetylene torch. A rod is lowered at a controlled speed to create a steady stream of drops. The drops fall vertically into a funnel which guides the metal drops onto the test specimen. Behind a specimen a temperature sensor monitors the temperature. The number of drops are counted as the temperature is monitored and the temperature rises by 40°C.

Dimensions: 320mm (W), 330mm (D), 750mm (H)

Power: 220 Volts, 1 Amp

Standards: BS EN 348:1992

Key Features

- ✓ *Stainless steel enclosure with door interlock*
- ✓ *Adjustable speed for feed of a metal rod*
- ✓ *PTFE guide funnel*
- ✓ *Recording software*



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