Molten Metal Test Apparatus

Fast, reliable results

For assessing the heat penetration resistance of materials intended for use in clothing to protect against large splashes of molten metal.

In the metal industries, protective clothing is expected to protect against heat and molten metal. The Wira Molten Metal Test Apparatus subjects the sample to a controlled application of molten metal.

Test Method

An embossed PVC film, representing human skin, is placed behind the test specimen. The metal is heated up in a furnace (optional) until molten and the crucible is transferred to the apparaus in a special holder and handle. A stepper motor controls the tipping of the crucible as the molten metal is poured onto the specimen that is supported at an angle.

The PVC film is then inspected for damage. The test is repeated using greater or smaller amounts of molten metal until minimum damage to the film is observed.

Specification:

Dimensions: 475mm (W), 400mm (D), 750mm (H)
Power: 220 Volts, 1 Amp
Standards: BS EN ISO 9185:2007

Key Features

- ✔ *Stainless steel enclosure with door interlock*
- ✔ *Adjustment for impact angle and pouring height*
- ✔ *Pouring speed controlled by stepper motor*

Order Code: PCT:003

WIRA INSTRUMENTATION
Tested to be Trusted

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