

TESTING OF MATERIALS

TESTING OF MATERIALS for Heat and Flame Protective Clothing

BTTG Fire Technology Services (FTS) is equipped to carry out all the major heat transfer and flammability tests associated with the current and proposed European and International standards for protective clothing, gloves, hoods and balaclavas.

- **EN 348/ISO 9150**

- **Small splashes of molten metal**

- To measure the ability of materials used for welders clothing and gloves to shed the small splashes of molten metal generated during welding.

- **EN 367/ISO 9151**

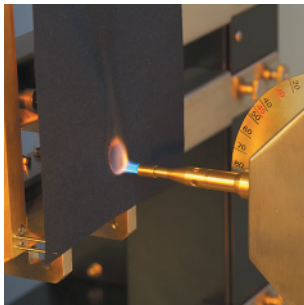
- **Convective heat transfer**

- A measure of the level of protection given by fabrics when subjected to direct flame impingement.

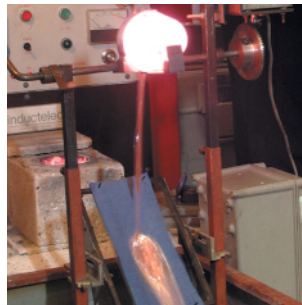
- **EN 366/EN ISO 6942**

- **Radiant heat transfer**

- A measure of the level of protection afforded against radiant heat - a crucial test for firefighters garments in particular.



EN 532/EN ISO 15025



EN 373/ISO 9185



EN 366/EN ISO 6942



EN 348/ISO 9150

- **EN 373/ISO 9185**

- **Molten metal splash**

- Fabrics used for clothing worn by foundry workers can be evaluated using this test in which various molten metals are poured onto the fabric.

- **EN 532/EN ISO 15025**

- **Flammability**

- As required for firefighters garments, flame retardant coveralls and welders boilersuits for example.

- **EN 702/ISO 12127**

- **Contact heat**

- Primarily used to measure the maximum safe temperature of hot objects that can be handled by gloves.

For further information on our testing services for all types of heat and flame protective clothing and related PPE contact Paul Eaton on: +44 (0)161 929 8056 or Email: pmeaton@btg-fts.co.uk Visit our website www.bttg.co.uk

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 **FIRE TECHNOLOGY SERVICES**

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Published by: Advanced Materials Services Limited. Company No: 4669650, VAT No: GB 816 7405 26. Reg. Off. Wira House, West Park Ring Road, Leeds, LS16 6QL.