HOHENSTEIN

Welding protection

Objective

Using different testing procedures, the protective effect of the textile, the seams as well as the clothing against welding and similar processes are under investigation. Protective clothing aims to protect the wearer against welding spatters (small spatters of molten material), brief contact with flames as well as radiant heat from the weld arc, and it offers a limited amount of electrical insulation under normal welding conditions.

The test is particularly well-suited for

- woven fabrics or leather for protective clothing
- protective jackets, pants, head coverings, aprons, stall sleeves and gaiters

Description

Protective clothing is inspected as per DIN EN 11611, for which ZLS (Central Agency of German States for Safety Technology) accreditation is in place.

- Textiles will be tested according to the requirements of DIN EN ISO 11611 and their related test standards.
- Clothing will be checked for their construction
- Clothing will be classified according to the test results
- Evaluation of the results achieved with regard to the requirements of the fabric or clothing
- Combination with other standards is possible, e.g. with DIN EN ISO 20471

Advantages for you as customer

- Consumer safety
- Proof of functionality
- Ensuring that the requirements of the Regulation (EU) 2016/425 are fulfilled

Reports and certificates

After the tests are completed, a report is written with a detailed description of the test samples and the tests.
After passing the tests on test samples, an attestation can be issued and used for marketing purposes.
After fulfilling the requirement for clothing, an EU Type- Examination Certificate may be issued.

Requirements for test samples

General information:

- Tests are carried out partly in new condition and after a use simulation (pre-treatment). In consultation with the customer, the number and the method of pre-treatments will be defined.

Amount of material:

- At least 2-3 current meters of test sample, accessories
- At least two clothing systems

Duration of testing:

- 20 working days for material test after receipt of test sample

Certification:

- Appr. 8 weeks