

Hohenstein Institute: Test of burning behaviour for AMANN threads made of meta aramide

N-tech and N-tech CS passed the test excellently

In the area of protective clothes against heat/flames there are lots of regulations, specifications and standards (e.g. DIN EN 469 [Protective clothing for firefighters], DIN EN ISO 11612 [Protective clothing - Protection against heat and flame, replaces DIN EN 531], DIN EN ISO 14116 [Protective clothing - Protection against heat and flame, limited flame spread]).

Fewest contain exact specifications regarding the thread to be used. Most standards describe rather that the finished garment (including seams / composite testing) shall be tested according to EN ISO 15025:2000 (procedure A or B) and which results have to be reached (e.g. mean of afterburn time fewer than 2 seconds, same for the afterglow time, no damage must be detected, no components must melt).

As the AMANN GROUP was frequently asked for test certificates by customers – especially for flame retardant sewing threads (N-tech) – we got the corresponding sewing samples tested with following meta aramide threads

- N-tech 40
- N-tech 70
- N-tech CS 80/2
- N-tech CS 70

The samples were tested by independent **Institute Hohenstein** according to EN ISO 15025:2000 (procedure A).

With an afterburn and afterglow time of **0 seconds**, the AMANN threads mentioned above **correspond to all strict standards**.

We provide the test report to our customers upon request.

As the tested seams were produced with individual fabric and sewing parameters, the test report is only valid for this combination. As specified in the standards, protective clothing has to be tested individually by each producer including all accessories (also seams).