HOHENSTEIN

Food Hygiene –

Workwear in the Food Industry

DIN 10524

Scope

Assessment of outer fabric and garment construction (finished products) for workwear in food processing facilities for compliance with the requirements of DIN 10524 for risk classes RK1 through RK3

Your Benefit

- Objective, manufacturer-independent verification that the outer fabric and/or garment construction meet the hygiene and performance requirements of DIN 10524
- Basis for the labeling and marketing of standard-compliant workwear to food companies and laundry services
- Separate evaluation of the outer fabric and garment construction—each can be commissioned individually as needed

The test is suitable

- Manufacturers of outer fabrics (woven and knitted fabrics made of polyester and cotton), as well as manufacturers and distributors of ready-made garments such as tunics, coats, and pants for use in food processing facilities

Description

- The standard classifies work clothing into three risk classes: RK1 (low), RK2 (high), and RK3 (highest hygiene risk)—each with increasingly stringent requirements for protective performance and replacement intervals
- Testing of the outer fabric: composition, comfort, dimensional stability, pilling behavior, maximum tensile strength/burst strength, as well as wash, bleach, water, and light fastness, and self-smoothing properties
- Testing of the garment construction: Pockets, sleeve length and cuffs, fasteners, cut design, accessories/emblems, and self-smoothing of seams, depending on the risk class (e.g., no external pockets for RK2/RK3)
- If the respective requirements are met, a certificate valid for 2 years is issued for the tested outer fabric or garment

Test schema

Based on the customer's request, we first determine whether the outer fabric, the finished garment, or both—as well as which risk class(es)—are to be tested. The same testing procedure then applies to all products:

Test sample	Scope of testing	Result
Outer fabric	Composition, comfort, dimensional stability, pilling behavior, tensile strength/burst strength, color fastness, self-smoothing	Certificate outer fabric
Garment construction	Pockets, sleeve length, fasteners, cut design, accessories, seam smoothing—for risk classes RK1 through RK3	Certificate garment construction

Procedure

- Determination of the scope of testing (fabric and/or garment) and the relevant risk class(es) based on the customer's request
- Processing time depends on the number of samples and the test program

Documentation

- If the requirements are met, you will receive a separate certificate for the tested outer fabric or the tested garment, respectively, for the applicable risk class (RK1 through RK3)
- The certificate confirms compliance with DIN 10524 to customers and food companies
- Validity: 2 years; renewal is possible through re-testing of selected tests

Material requirement

The amount of material required depends on the selected scope of testing; as a rule, at least 7 meters of outer fabric or 4 finished garments (in one size set) per risk class to be tested