

Cleanroom garment system made from recycled material

2nd place REINER! 2023
Fraunhofer Cleanliness Technology Award



Cleanroom garments: overall, hood and overboot made of DASTAT-REC

Under-garment: shirt made of HT-REC

Undergarment: pants made of Light-Tech REC

Cleanroom sock 39392-REC



With its new own brand CleanGreenCycle™ (CGC), Dastex is focusing on resource conservation and sustainability and is one of the first companies worldwide to offer a complete cleanroom-compatible reusable garment system made of recycled PET with the usual high product quality

To date, the product range includes the cleanroom fabric DASTAT-REC for outerwear and two fabrics (HT-REC and Light-Tech REC) for undergarments. Studies conducted by independent, internationally recognised textile research institutes have proven that DASTAT-REC fully meets the cleanroom requirements of critical processes. In addition, DASTAT-REC is OEKO-TEX® STANDARD 100 certified. All recycled materials are certified according to the Global Recycled Standard.

Currently, a study in the in-house Body-Box to compare CGC garments with current standard garments (garment systems each made of standard fabrics and CGC fabrics).

Garment system 1:

Undergarment, overall, full protective hood, overshoes

Garment system 2:

Undergarment, disposable non-woven hood, lab coat

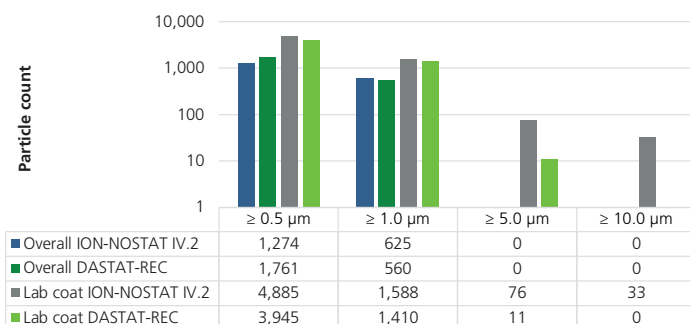
The results (see diagrams) clearly show that the garments made from recycled material hardly differ from those garments made from non-recycled fabric material.

Cleanroom socks made from recycled PET as a supplement

- ▶ Reusable socks (washable and sterilisable)
- ▶ Disposable socks (optionally sterile)

First Body-Box results:

at rest



in motion

