van Heek textiles

poll-tex
pollen protection screens

Certificate

★★★★★
ECARF
QUALITY TESTED
Information about Allergies:
www.allergy-foundation.info
European Centre for Allergy Research Foundation

Quality Seal for
Allergy-Friendly Products
and Services

Approved quality of the
Poll-tex
of *L van Heek Textiles B.V.*
is certified by ECARF.

Primary certification in December 2007

Certificate valid until 31st December 2009

Berlin, 1st December 2007

Prof. Dr. med. T. Zuberbier
Head of ECARF

# Productspecification Poll-Tex

October 2007

**General specifications**

| | |
|---|---|
| Article name | Poll-Tex |
| Composition | 100% Polyester |
| Color | Grey |

| Aspect | Value | Tolerance | Unit | Method |
|---|---|---|---|---|
| Weight | 114 | ± 5% | g/m$^2$ | - |
| Witdh | 200 | ± 3% | cm | - |
| Thickness | 0,29 | ± 10% | mm | Measured with thickness gauge |
| Tearstrength, length | 231 | ± 10% | N/5cm | ISO 13934-1:1999 |
| Tearstrength, witdh | 828 | ± 10% | N/5cm | ISO 13934-1:1999 |
| Elongation, length | 39,7 | ± 10% | N/5cm | ISO 13934-1:1999 |
| Elongation, witdh | 25,0 | ± 10% | N/5cm | ISO 13934-1:1999 |
| Crockingtest dry/wet | 4/5 | ≥ 4 | - | ISO 105 X12 D02 |
| Air permeability (20 Pa) in L/m$^2$x s | 1600 | ± 10% | L/m$^2$x s | ISO 9237:1995 |
| Air permeability (25 Pa) in L/m$^2$x s | 1880 | ± 10% | L/m$^2$x s | ISO 9237:1995 |

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# Study of the filtering effects of Poll-Tex, a protective pollen grid

## Results

### 1. Birch pollen

While the window was closed, no birch pollen were found in Room A within two hours.
After the release of 32 mg birch pollen in Room B during three separate attempts, 0,72%, 0.69% and 0.68% birch pollen were accounted for in comparison to the window being opened .
The protective effect of the pollen filter thus amounted to 99.71% with birch pollen (median value). This implies a total protection of birch pollen by means of the filter.

### 2. Grass pollen

With the window closed, no grass pollen were found in Room A after 8 hours.
After the release of 32 mg grass pollen each time in Room B, 0% grass pollen were found during the trials, compared to the situation of an open window.
The protective effect of the pollen filter for grass pollen thus amounted to 100%.
This implies a total protection from grass pollen by means of the filter.

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## LET THE SPRING COME IN...

*The art of Protection*