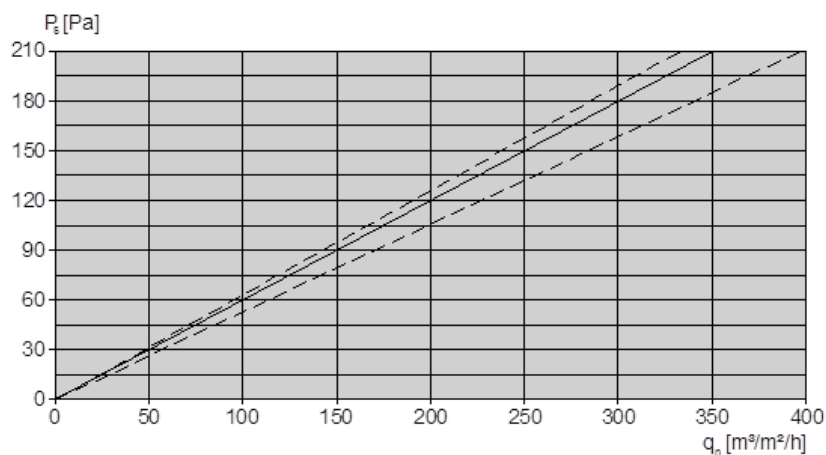




## Material Datasheet 3

|  |   |                       |            |                               |
|--|---|-----------------------|------------|-------------------------------|
| <b>KE no.</b>                              | <b>GW200</b>  |                       |            |                               |
| <b>Material</b>                            | <b>High Dust Capacity polyester fabric</b>              |                       |            |                               |
| <b>Construction</b>                        | <b>Heat-set, shrinkage- and permeability-stabilised</b> |                       |            |                               |
| <b>Weight</b>                              | <b>g/m<sup>2</sup></b>                                  | 325                   | (%) -/+5   | EN-ISO 5077                   |
| <b>Thickness</b>                           | <b>mm</b>   | 0.6                   | (%) -/+10  | EN-ISO 12127:1997             |
| <b>Permeability</b>                        | <b>m<sup>3</sup>/m<sup>2</sup>/h/120 Pa</b>             | 200                   | (%) -7/+19 | EN-ISO 9237:1995              |
| <b>Tensile strength</b>                    | <b>Warp/Weft N/50 mm</b>                                | 2700 / 1300           | (%) -/+10  | EN-ISO 13934-1                |
| <b>Resistance to tearing</b>               | <b>Warp/Weft N</b>                                      | 95 / 72               | (%) -/+10  | EN-ISO 13937:2                |
| <b>*Filter class</b>                       |   | M6                    |            | EN 779:2012                   |
| <b>*Dust holding capacity</b>              | <b>g (250/350/450 Pa)</b>                               | 11/19/28              |            | EN 779:2012                   |
| <b>**Shrinkage in wash</b>                 | <b>% at 40°C</b>  | 0.5                   |            | EN-ISO 5077                   |
| <b>Operating temperature max./min.</b>     | <b>°C</b>   | 80/-45                |            |                               |
| <b>Spontaneous ignition temperature</b>    | <b>°C</b>   | 508                   |            |                               |
| <b>Water absorption</b>                    | <b>% at 90% RH</b>                                      | 0.4                   |            |                               |
| <b>Electrostatic resistance</b>            | <b>Ohm</b>  | ≤2 x 10 <sup>10</sup> |            | DIN 54345-1                   |
| <b>Clean room classification</b>           |   | N/A                   |            | ISO-14644-1                   |
| <b>Fire resistance</b>                     |   | B-S1-d0<br>Yes        |            | EN-13501<br>UL 2518 NFPA 90 A |
| <b>Melting point</b>                       | <b>°C</b>   | 254                   |            |                               |
| <b>Resistance to aging</b>                 |   | Excellent             |            |                               |
| <b>Resistance to vibrations, motion</b>    |   | Excellent             |            |                               |
| <b>Resistance to solvents</b>              |   | Excellent             |            |                               |
| <b>Resistance to acids</b>                 |   | Good                  |            |                               |
| <b>Resistance to bases</b>                 |   | Medium                |            |                               |
| <b>Resistance to oxidants, light, etc.</b> |   | Excellent             |            |                               |
| <b>Oeko-Tex®</b>                           |   | Approved              |            | Standard 100                  |
| <b>Cradle to Cradle®</b>                   | The GreenWeave material is Cradle to Cradle certified   |                       |            |                               |



Quality grades: Excellent - Good - Medium - Less good - Not recommended

\*KE measurement \*\*Washed and dried according to KE Fibertec instructions

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08/2021

