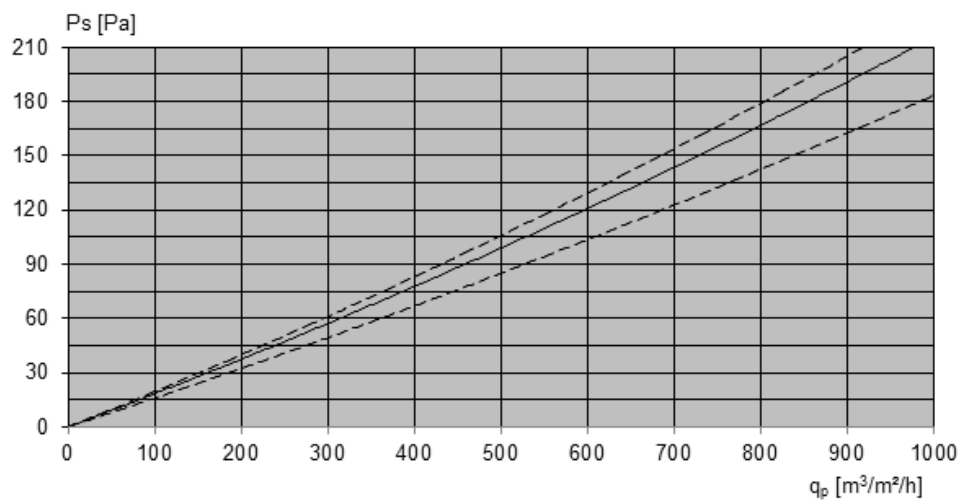


Material Datasheet 45

|                                     |                                                  |                       |            |                              |
|-------------------------------------|--------------------------------------------------|-----------------------|------------|------------------------------|
| KE no.                              | MW600                                            |                       |            |                              |
| Material                            | High Tenacity polyester fabric                   |                       |            |                              |
| Construction                        | Heat-set, shrinkage- and permeability-stabilised |                       |            |                              |
| Weight                              | g/m²                                             | 230                   | (%) -/+5   | EN-ISO 5077                  |
| Thickness                           | mm                                               | 0.4                   | (%) -/+10  | EN-ISO 12127:1997            |
| Permeability                        | m³/m²/h/120 Pa                                   | 600                   | (%) -6/+15 | EN-ISO 9237:1995             |
| Tensile strength                    | Warp/Weft N                                      | 2400/1250             | (%) -/+10  | EN-ISO 13934-1               |
| Resistance to tearing               | Warp/Weft N                                      | 210/180               | (%) -/+10  | EN-ISO 13937:2               |
| *Filter class                       |                                                  | G2                    |            | EN 779:2012                  |
| *Dust holding capacity              | g (250/350/450 Pa)                               | 2/3/3                 |            | EN 779:2012                  |
| **Shrinkage in wash                 | % at 40°C                                        | 0.5                   |            | EN-ISO 5077                  |
| Operating temperature max./min.     | °C                                               | 80/-45                |            |                              |
| Spontaneous ignition temperature    | °C                                               | 508                   |            |                              |
| Water absorption                    | % at 90% RH                                      | 0.4                   |            |                              |
| Electrostatic resistance            | Ohm                                              | ≤2 x 10 <sup>10</sup> |            | DIN 54345-1                  |
| Clean room classification           |                                                  | Class 4               |            | ISO-14644-1                  |
| Fire resistance                     |                                                  | B-S1-d0<br>Yes        |            | EN-13501<br>UL 723 NFPA 90 A |
| Melting point                       | °C                                               | 254                   |            |                              |
| Resistance to aging                 |                                                  | Excellent             |            |                              |
| Resistance to vibrations, motion    |                                                  | Excellent             |            |                              |
| Resistance to solvents              |                                                  | Excellent             |            |                              |
| Resistance to acids                 |                                                  | Good                  |            |                              |
| Resistance to bases                 |                                                  | Medium                |            |                              |
| Resistance to oxidants, light, etc. |                                                  | Excellent             |            |                              |
| Oeko-Tex®                           |                                                  | Approved              |            | Standard 100                 |
| 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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