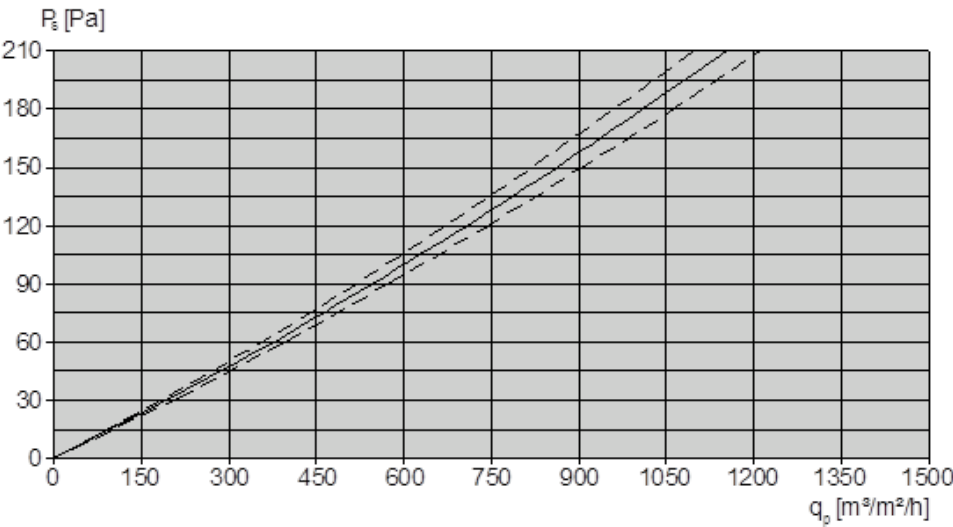




## MATERIAL DATASHEET 19

|                                     |                                                  |                      |           |                              |
|-------------------------------------|--------------------------------------------------|----------------------|-----------|------------------------------|
| KE no.                              | NO700                                            |                      |           |                              |
| Material                            | Nomex fabric                                     |                      |           |                              |
| Construction                        | Heat-set, shrinkage- and permeability-stabilised |                      |           |                              |
| Weight                              | g/m <sup>2</sup>                                 | 210                  | (%) -/+5  | EN-ISO 5077                  |
| Thickness                           | mm                                               | 0.5                  | (%) -/+10 | EN-ISO 12127:1997            |
| Permeability                        | m <sup>3</sup> /m <sup>2</sup> /h/120 Pa         | 700                  | (%) -5/+5 | EN-ISO 9237:1995             |
| Tensile strength                    | Warp/Weft N                                      | 1600 / 800           | (%) -/+10 | EN-ISO 13934-1               |
| Resistance to tearing               | Warp/Weft N                                      | 150 / 140            | (%) -/+10 | EN-ISO 13937:2               |
| *Filter class                       |                                                  | N/A                  |           | EN 779:2012                  |
| **Shrinkage in wash                 | % at 40°C                                        | -                    |           | EN-ISO 5077                  |
| Melting point                       | °C                                               | 371                  |           |                              |
| Operating temperature max./min.     | °C                                               | 100 / -45            |           |                              |
| Water absorption                    | % at 90% RH                                      | 5                    |           |                              |
| Electrostatic resistance            | Ohm                                              | ≤3 x 10 <sup>8</sup> |           | DIN 54345-1                  |
| Clean room classification           |                                                  | N/A                  |           | ISO-14644-1                  |
| Fire resistance                     |                                                  | B-S1-d0<br>N/A       |           | EN-13501<br>UL 723 NFPA 90 A |
| Resistance to aging                 |                                                  | Excellent            |           |                              |
| Resistance to vibrations, motion    |                                                  | Excellent            |           |                              |
| Resistance to solvents              |                                                  | Excellent            |           |                              |
| Resistance to acids                 |                                                  | Not recommended      |           |                              |
| Resistance to bases                 |                                                  | Good                 |           |                              |
| Resistance to oxidants, light, etc. |                                                  | Good                 |           |                              |
| Oeko-Tex®                           |                                                  | Approved             |           | Standard 100                 |
| Cradle to Cradle®                   |                                                  | N/A                  |           |                              |



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

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12/2024

