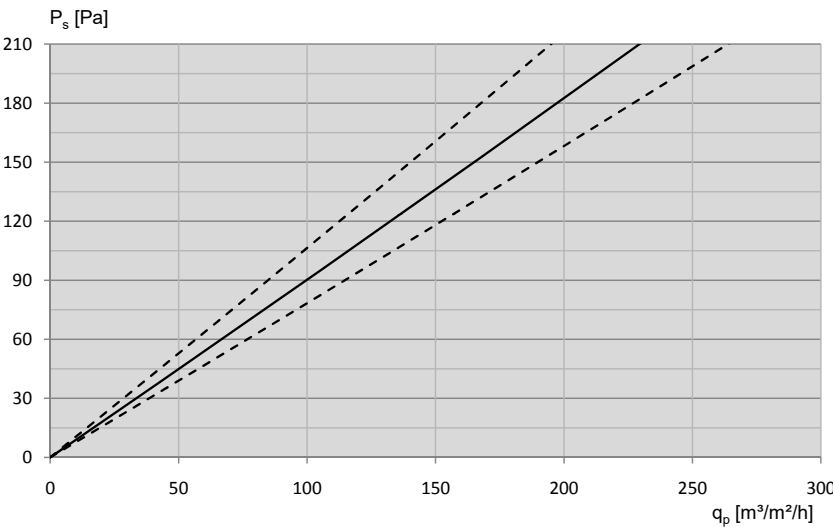




## MATERIAL DATASHEET 33

|                                     |                                          |                                                  |           |                              |
|-------------------------------------|------------------------------------------|--------------------------------------------------|-----------|------------------------------|
| KE no.                              |                                          | NO130                                            |           |                              |
| Material                            |                                          | Nomex fabric                                     |           |                              |
| Construction                        |                                          | Heat-set, shrinkage- and permeability-stabilised |           |                              |
| Weight                              | g/m <sup>2</sup>                         | 298                                              | (%) -/+5  | EN-ISO 5077                  |
| Thickness                           | mm                                       | 0.44                                             | (%) -/+10 | EN-ISO 12127:1997            |
| Permeability                        | m <sup>3</sup> /m <sup>2</sup> /h/120 Pa | 130                                              | (%) -9/+9 | EN-ISO 9237:1995             |
| Tensile strength                    | Warp/Weft N                              | 1500 / 850                                       | (%) -/+10 | EN-ISO 13934-1               |
| Resistance to tearing               | Warp/Weft N                              | 170 / 170                                        | (%) -/+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

