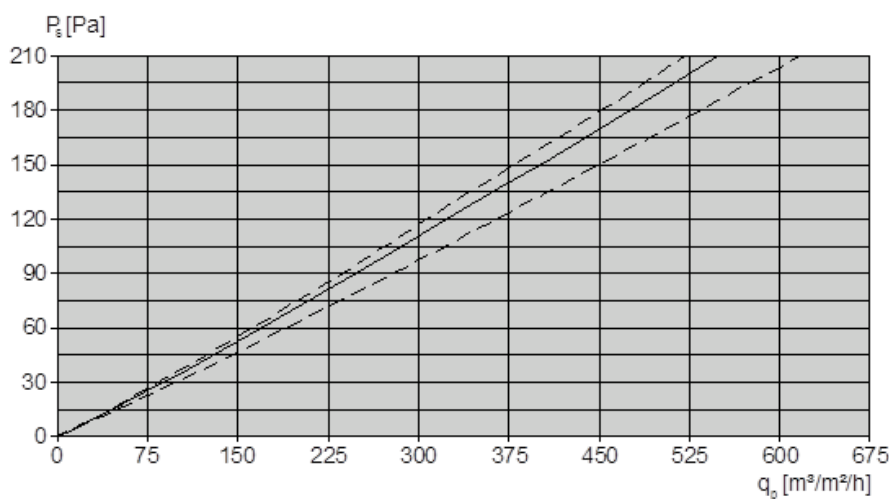




Material Datasheet 44

| | | | | |
|--|---|----------------------|------------|------------------------------|
| KE no. | MW320 | | | |
| Material | High Tenacity polyester fabric | | | |
| Construction | Heat-set, shrinkage- and permeability-stabilized | | | |
| Weight | g/m² | 230 | (%) -/+5 | EN-ISO 5077 |
| Thickness | mm | 0.4 | (%) -/+10 | EN-ISO 12127:1997 |
| Permeability | m³/m²/h/120 Pa | 320 | (%) -6/+15 | EN-ISO 9237:1995 |
| Tensile strength | Warp/Weft N/50 mm | >2800/>1300 | (%) -/+10 | EN-ISO 13934-1 |
| Resistance to tearing | Warp/Weft N | 200/160 | (%) -/+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/cm | 2 x 10 ¹⁰ | | DIN 54345-1 |
| Clean room classification | | Class 4 | | ISO-14644-1 |
| Fire resistance | | B-S1-d0 Yes | | EN-13501 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® | | N/A | | |



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

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

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01/2020

