

# Material Datasheet

## MultiWeave

### Antimicrobial

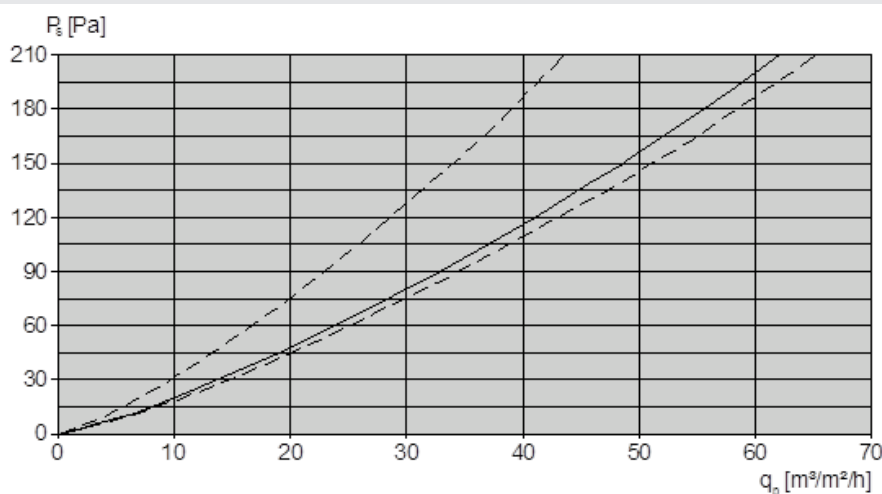


**KE FIBERTEC**

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## Material Datasheet 42

<b>KE no.</b>	<b>MW40A</b>			
<b>Material</b>	<b>High Tenacity polyester fabric - antimicrobial treatment</b>			
<b>Construction</b>	<b>Heat-set, shrinkage- and permeability-stabilized</b>			
<b>Weight</b>	<b>g/m<sup>2</sup></b>	277	(%) -/+5	EN-ISO 5077
<b>Thickness</b>	<b>mm</b>	0.5	(%) -/+10	EN-ISO 12127:1997
<b>Permeability</b>	<b>m<sup>3</sup>/m<sup>2</sup>/h/120 Pa</b>	40	(%) -25/+25	EN-ISO 9237:1995
<b>Tensile strength</b>	<b>Warp/Weft N/50 mm</b>	>3200/>1700	(%) -/+10	EN-ISO 13934-1
<b>Resistance to tearing</b>	<b>Warp/Weft N</b>	150/130	(%) -/+10	EN-ISO 13937:2
<b>*Filter class</b>		G2		EN 779:2012
<b>*Dust holding capacity</b>	<b>g (250/350/450 Pa)</b>	2/3/3		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/cm</b>	2 x 10 <sup>10</sup>		DIN 54345-1
<b>Clean room classification</b>		Class 4		ISO-14644-1
<b>Fire resistance</b>		B-S1-d0 Yes		EN-13501 UL 723 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>		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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