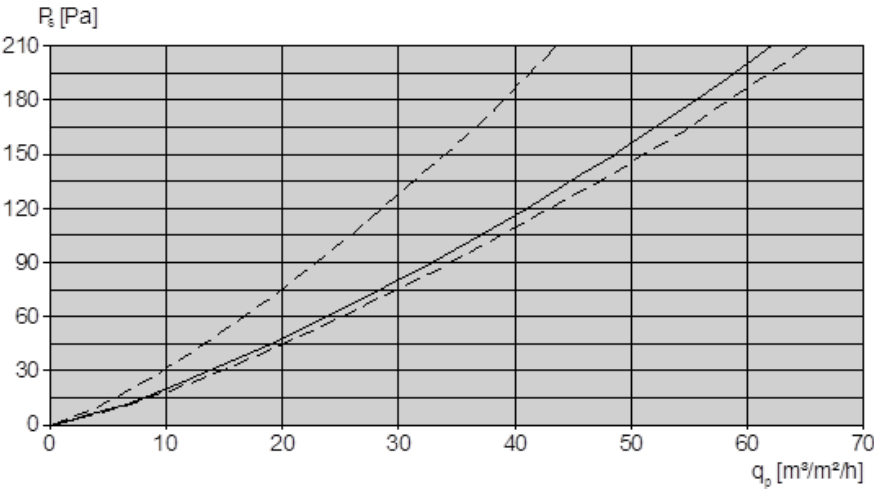




Material Datasheet 41

KE no.		MW40		
Material		High Tenacity polyester fabric		
Construction		Heat-set, shrinkage- and permeability-stabilised		
Weight	g/m ²	277	(%) -/+5	EN-ISO 5077
Thickness	mm	0.5	(%) -/+10	EN-ISO 12127:1997
Permeability	m ³ /m ² /h/120 Pa	40	(%) -30/+8	EN-ISO 9237:1995
Tensile strength	Warp/Weft N	2250/1450	(%) -/+10	EN-ISO 13934-1
Resistance to tearing	Warp/Weft N	150/130	(%) -/+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 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®		Certified		



Quality grades: Excellent - Good - Medium - Less good - Not recommended
*KE measurement **Washed and dried according to KE Fibertec instructions
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