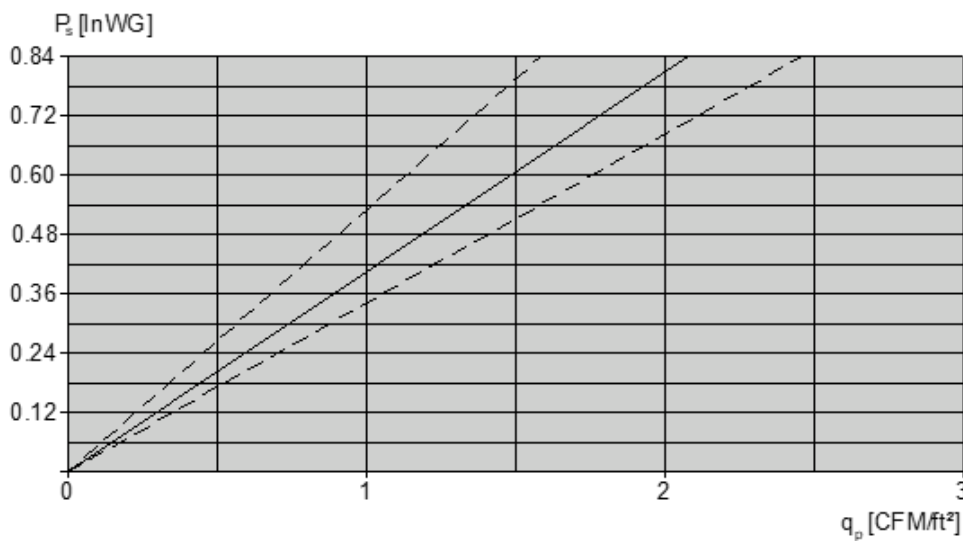




### Material Datasheet 40

<b>KE no.</b>	<b>MW1</b>		
<b>Material</b>	<b>High Tenacity Polyester fabric</b>		
<b>Construction</b>	<b>Heat-set, shrinkage- and porosity-stabilized</b>		
<b>Weight</b>	<b>oz/yd<sup>2</sup></b>	8.3	(%) -/+5
<b>Thickness</b>	<b>mil</b>	20	(%) -/+10
<b>Tensile strength</b>	<b>Warp/Weft lb<sub>f</sub></b>	528 / 337	(%) -/+10
<b>Resistance to tearing warp/weft</b>	<b>Warp/Weft lb<sub>f</sub></b>	34 / 29	(%) -/+10
<b>Porosity</b>	<b>CFM/ft<sup>2</sup></b>	1 at 0.5 inWG	(%) -25/+25
<b>Filter class</b>	G2 (*)		
<b>Shrinkage in wash</b>	<b>%</b>	<0.5 (**)	
<b>Fire resistance</b>	Flame retardant		UL 723 NFPA 90 A
<b>Melting point</b>	<b>°F</b>	489	
<b>Spontaneous ignition temperature</b>	<b>°F</b>	946	
<b>Water absorption (in standard climate)</b>	<b>%</b>	0.4	
<b>Electrostatic resistance</b>	<b>Ohm</b>	≤ 2 x 10 <sup>10</sup>	
<b>Operating temperature max./min. (peak)</b>	<b>°F</b>	+140/-49 (peak: 176)	
<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>	Certified		



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

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

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