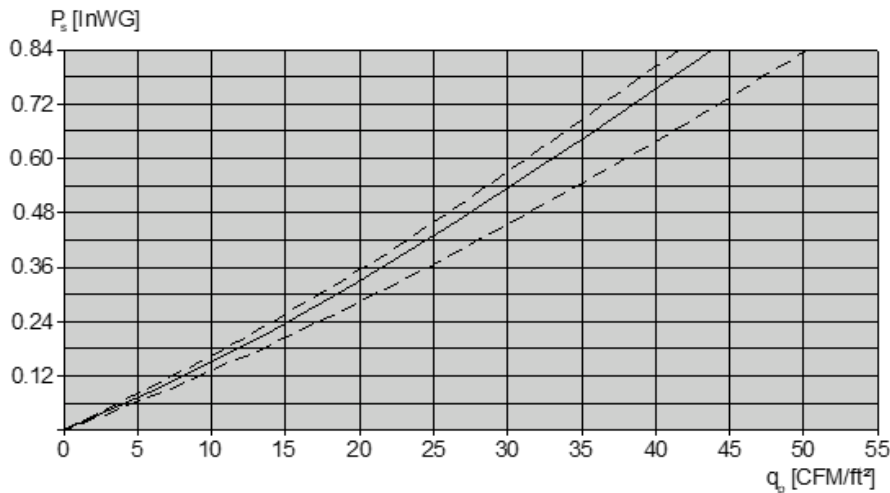




## Material Datasheet 5

<b>KE no.</b>	<b>GW27</b>		
<b>Material</b>	<b>High Dust Capacity Polyester fabric</b>		
<b>Construction</b>	<b>Heat-set, shrinkage- and porosity-stabilized</b>		
<b>Weight</b>	<b>oz/yd<sup>2</sup></b>	8.6	(%) -/+5
<b>Thickness</b>	<b>mil</b>	26	(%) -/+10
<b>Tensile strength warp/weft</b>	<b>lb<sub>f</sub></b>	320 / 103	(%) -/+10
<b>Resistance to tearing</b>	<b>lb<sub>f</sub></b>	40 / 31	(%) -/+10
<b>Porosity</b>	<b>CFM/ft<sup>2</sup></b>	27 at 0.5 inWG	(%) -6/+15
<b>Filter class</b>		M6 (*)	
<b>Shrinkage in wash</b>	<b>%</b>	<0.5 (**)	
<b>Fire resistance</b>		Flame retardent	
<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	



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

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

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04/2024

