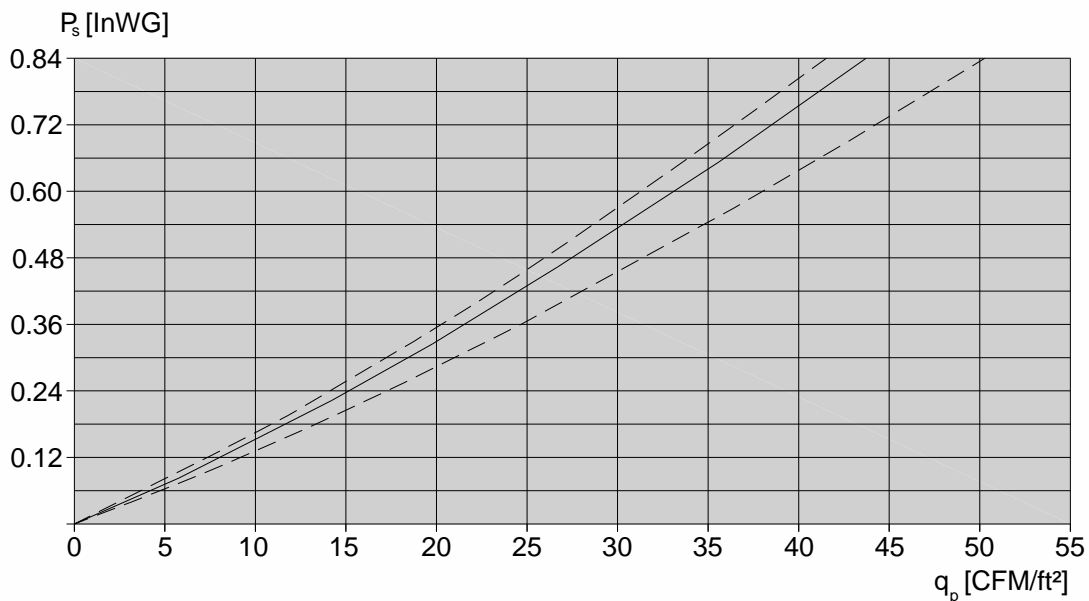


## MATERIAL DATASHEET 5

KE-no.:	025500		
Construction:	Trevira CS special fabric (HDC)		
Final treatment:	Heat-set, shrinkage- and permeability-stabilized		
Weight	oz/yd <sup>2</sup> :	8.6	(%) - 5/+ 5
Thickness	mil:	26	(%) -10/+10
Tensile strenght warp/weft	lb <sub>f</sub> /in:	228 / 74	(%) -10/+10
Elongation (at first break)	%:	40 / 30	
Resistance to tearing warp/weft	lb <sub>f</sub> :	40 / 45	(%) -10/+10
Permeability	CFM/ft <sup>2</sup> :	27 at 0.5 inWG	(%) -6 /+15
Retention grade	:	F5 (*)	
Shrinkage in wash	%:	< 0.5 (**)	
Fire resistance	:	Flame retardant	
Melting point	°F:	490	
Spontaneous ignition temperature	°F:	946	
Water absorption (in standard climate)	%:	0.40	
Electrostatic resistance	Ohm/cm:	2 x 10 <sup>10</sup>	
Operating temperature max./min. (peak)	°F:	+140/-49 (peak: 176)	
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	



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

Comments:            (\*) Recomm. KE-measurement • (\*\*) Washed and dried acc. to KE Fibertec instruction

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