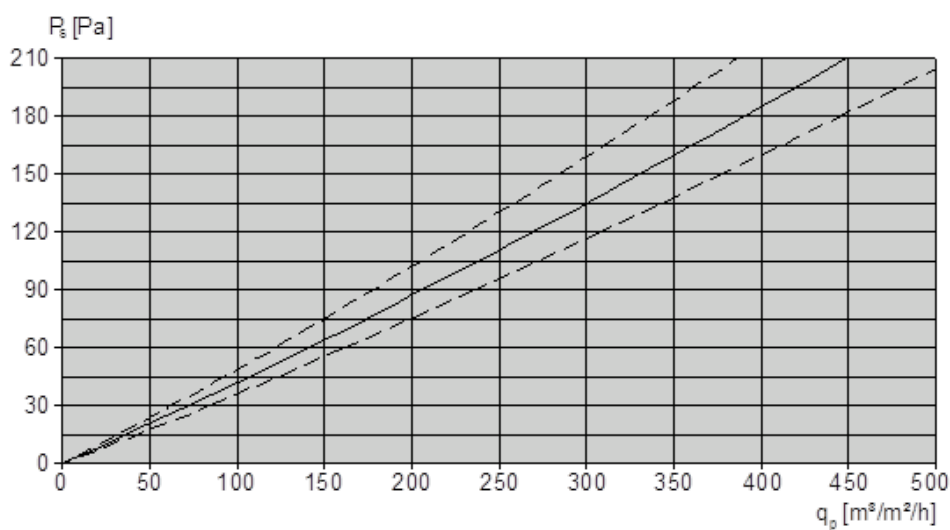




## MATERIAL DATASHEET 16

<b>KE no.</b>	<b>NO290</b>			
<b>Material</b>	<b>Nomex fabric</b>			
<b>Construction</b>	<b>Heat-set, shrinkage- and permeability-stabilized</b>			
<b>Weight</b>	<b>g/m<sup>2</sup></b>	250	(%) -/+5	EN-ISO 5077
<b>Thickness</b>	<b>mm</b>	0.55	(%) -/+10	EN-ISO 12127:1997
<b>Permeability</b>	<b>m<sup>3</sup>/m<sup>2</sup>/h/120 Pa</b>	290	(%) -14/+14	EN-ISO 9237:1995
<b>Tensile strength</b>	<b>Warp/Weft N/50 mm</b>	1600/1300	(%) -/+10	EN-ISO 13934-1
<b>Resistance to tearing</b>	<b>Warp/Weft N</b>	120/110	(%) -/+10	EN-ISO 13937:2
<b>*Filter class</b>		N/A		EN 779:2012
<b>**Shrinkage in wash</b>	<b>% at 40°C</b>	-		EN-ISO 5077
<b>Melting point</b>	<b>°C</b>	371		
<b>Operating temperature max./min.</b>	<b>°C</b>	100/-45		
<b>Water absorption</b>	<b>% at 90% RH</b>	5		
<b>Electrostatic resistance</b>	<b>Ohm</b>	≤3 x 10 <sup>8</sup>		DIN 54345-1
<b>Clean room classification</b>		N/A		ISO-14644-1
<b>Fire resistance</b>		B-S1-d0 N/A		EN-13501 UL 723 NFPA 90 A
<b>Resistance to aging</b>		Excellent		
<b>Resistance to vibrations, motion</b>		Excellent		
<b>Resistance to solvents</b>		Excellent		
<b>Resistance to acids</b>		Not recommended		
<b>Resistance to bases</b>		Good		
<b>Resistance to oxidants, light, etc.</b>		Good		
<b>Oeko-Tex®</b>		Approved		Standard 100
<b>Cradle to Cradle®</b>		N/A		



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

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08/2021

