

## MATERIAL SPECIFICATION

# NOMEX

The NOMEX material is woven by the weaving mill of Euro Air using NM 60/2 yarns. The NOMEX fibre is well-known for its flame resistant properties meaning that it will neither melt, drip nor combust in air. The NOMEX material of Euro Air is woven in a twill weave using staple fibres to ensure largest possible textile surface and uniform air permeability.

Heatset, shrinkage and permeability stabilised material.



Type		NOMEX 130	NOMEX 290	NOMEX 460	NOMEX 700	Standard
Weight (%) -/+5	g/m <sup>2</sup>	298	250	220	210	EN-ISO 5077
Thickness (%) -/+10	mm	0.44	0.55	0.55	0.5	EN-ISO 12127:1997
Permeability	m <sup>3</sup> /m <sup>2</sup> /h 120 Pa Tolerance (%)	130 -9/+9	290 -14/+14	460 -8/+8	700 -5/+5	EN ISO 9237:1995
Tensile strength (%) -/+10	Warp / Weft N/50 mm	>1300 / 1400	1600 / 1300	1600 / 1100	1700 / 880	EN-ISO 13934-1
Resistance to tearing (%) -/+10	Warp / Weft N	170 / 170	120 / 110	140 / 100	150 / 140	EN-ISO 13937:2
*Dust retention Filter class		N/A	N/A	N/A	N/A	EN-ISO 779:2012
**Shrinkage in wash	(%) 40°C	-	-	-	-	EN-ISO 5077
Melting point	°C	371	371	371	371	
Operating temperature	°C	100 / -45	100 / -45	100 / -45	100 / -45	
Spontaneous ignition temp.	°C	-	-	-	-	
Water absorption	(%) at 90% RF	5	5	5	5	
Electrostatic resistance	Ohm	≤3 x 10 <sup>8</sup>	≤3 x 10 <sup>8</sup>	≤3 x 10 <sup>8</sup>	≤3 x 10 <sup>8</sup>	DIN 54345-1
Clean room classification		N/A	N/A	N/A	N/A	ISO-14644-1
Fire resistance		B-S1-d0 N/A	B-S1-d0 N/A	B-S1-d0 N/A	B-S1-d0 N/A	EN-13501 UL 723/NFPA 90 A
Oeko-Tex®		Approved	Approved	Approved	Approved	Standard 100
Cradle to Cradle™				N/A		

\*EA measurement

\*\*Washed and dried according to Euro Air instructions

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