

Material Specification

Nomex



MATERIAL:

Nomex material is woven by KE Fibertec Væveri (weaving mill) 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 KE Fibertec is woven in a twill weave using staple fibres to ensure largest possible textile surface and uniform air permeability.

CONSTRUCTION:

Heatset, shrinkage- and permeability-stabilised material.

Type KE-Datasheet		NO130 33	NO290 16	NO370 17	NO460 18	NO700 19	Standard
Weight (%) -/+5	g/m²	298	250	230	220	210	EN-ISO 5077
Thickness (%) -/+10	mm	0.44	0.55	0.57	0.55	0.5	EN-ISO 12127:1997
Permeability	m³/m²/h 120 Pa Tolerance (%)	130 -9/+9	290 -14/+14	370 -9/+9	460 -8/+8	700 -5/+5	EN ISO 9237:1995
Tensile strength (%) -/+10	Warp / Weft N	1500 / 850	1550 / 1100	1550 / 1000	1600 / 950	1600 / 800	EN-ISO 13934-1
Resistance to tearing (%) -/+10	Warp / Weft N	170 / 170	120 / 110	120 / 120	140 / 100	150 / 140	EN-ISO 13937:2
*Filter class		N/A	N/A	N/A	N/A	N/A	EN 779:2012
**Shrinkage in wash	(%) 40°C	-	-	-	-	-	EN-ISO 5077
Melting point	°C	371	371	371	371	371	
Operating temperature	°C	100/-45	100/-45	100/-45	100/-45	100/-45	
Spontaneous ignition temp.	°C	-	-	-	-	-	
Water absorption	(%) at 90% RF	5	5	5	5	5	
Electrostatic resistance	Ohm	≤3 x 10 ⁸	≤3 x 10 ⁸	≤3 x 10 ⁸	≤3 x 10 ⁸	≤3 x 10 ⁸	DIN 54345-1
Clean room classification		N/A	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	B-S1-d0 N/A	EN-13501 UL 723/NFPA 90 A
Oeko-Tex®		Approved	Approved	Approved	Approved	Approved	Standard 100
Cradle to Cradle®		N/A	N/A	N/A	N/A	N/A	

*KE measurement

**Washed and dried according to KE Fibertec instructions

