

Material Specification

Nomex



KE FIBERTEC

AIR THE WAY YOU WANT

MATERIAL: Nomex material is woven by KE Fibertec Væveri (weaving mill) using NM 60/2 yarns. The Nomex fiber 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 fibers to ensure largest possible fabric surface and uniform porosity.

CONSTRUCTION: Heat-set, shrinkage- and porosity-stabilized material.

Type KE-Datasheet		NO8 33	NO16 16	NO20 17	NO25 18	NO38 19	Standard
Weight (%) -/+5	oz/yd²	8.8	7.4	6.8	6.5	6.2	EN-ISO 5077
Thickness (%) -/+10	mil	17	22	22	22	20	EN-ISO 12127:1997
Porosity at 0.5 inWG	CFM/ft² Tolerance %	8 -9/+9	16 -14/+14	20 -9/+9	25 -8/+8	38 -5/+5	EN-ISO 9237:1995
Tensile strength (%) -/+10	Warp / Weft lb_f	337 / 191	348 / 247	348 / 225	360 / 214	360 / 180	EN-ISO 13934-1
Resistance to tearing (%) -/+10	Warp / Weft lb_f	38 / 38	27 / 25	27 / 27	31 / 22	34 / 31	EN-ISO 13937:2
*Filter class		N/A	N/A	N/A	N/A	N/A	EN 779:2012
**Shrinkage in wash	%	-	-	-	-	-	EN-ISO 5077
Operating temperature	°F	+176/-40	+176/-40	+176/-40	+176/-40	+176/-40	
Spontaneous ignition temp.	°F	-	-	-	-	-	
Water absorption in standard climate	%	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
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 UL2518-AC167
Oeko-Tex®		Approved					Standard 100
Cradle to Cradle®		N/A					

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

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02/2026

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