

**NOMEX® COMFORT****DuPont™ Nomex® Comfort**

DuPont™ Nomex® Comfort absorbs much less moisture than cellulosic fibres such as cotton and viscose, therefore garments made of Nomex® Comfort can dry much more quickly after energetic action, making the wearer feel more comfortable. Knitted fabrics made of Nomex® Comfort are available with antibacterial properties.

**Fibre composition**

93% 1.4 decitex DuPont™ Nomex® meta-aramid  
5% DuPont™ Kevlar® para-aramid  
2% antistatic fibre

**Applications**

Woven fabrics are widely used for police riot suits, NBC protective garments, pilot suits, and are available in many knitted garment solutions for e.g. underwear polo-shirts and fleece jackets with excellent RTI values.  
Antistatic properties

Has antistatic properties - fabric is tested in accordance with EN 1149-3 and fulfils the electrostatic protection requirements of EN 1149-5 for protective clothing.

**Protection and norms**

Thermal protection against heat and flame (EN531, ISO/FDIS 11612, EN 469) and electrical arc (IEC 61482-2/CDV).  
More protection

Helps protect against low volume chemical splash and mist (EN 13034) if treated with fluorocarbon finish. Additional properties can be achieved by combining fabrics made of DuPont™ Nomex® fibres with other materials to provide protection against rain, cold and cool environments and against low voltage electrical current hazards.

**Colour availability**

Can be supplied pigmented for desired light fastness or piece-dyed.

\* Colour availability and lead times need to be confirmed by the converter (spinner, weaver, knitter or garment manufacturer). Individual colour needs should be discussed with a DuPont representative.



FICHA TÉCNICA TELAS NOMEX®

		Nomex® Comfort 4.5 Oz	Nomex® IIIA 4.5 Oz.	Nomex® Comfort 6 Oz	Nomex® IIIA 6 Oz.	Nomex® MHP 7 Oz.
<b>Basis Weight</b>						
Nominal Basis Weight oz/yd2	ASTM D3776	4.5	4.5	6.0	6.0	7.0
Actual Basis Weight oz/yd2					6.2	
<b>Durability</b>						
Elmendorf Tear, lb, (warp/fill)	ASTM D1424	10.9/6.9	10.4/8	14.5/6.5	15.6/10.1	9/8
Taber Abrasion, cycles (CS-10 (1000 g))	ASTM D 3884	484	578	945	581	
Grab Strength, lb (warp/fill) (initial)	ASTM D5034	366/288	217/116	367/287	287/167	147/91
<b>Comfort</b>						
Vertical Wicking, inch (warp/fill) @ 15 minutes	DuPont	5.0/5.0	5.0/5.0	5.0/5.0	5.0/5.0	5.0/4.9
Air Permeability cm/ft2		55	239	19	81	
Thermal Shrinkage		1	1.2			
Laundry Shrinkage , % (warp/fill) (100 X)	AATCC 135 (140oF)	1.5/1.1	1.2	1.5/1.1	3.55/4.44	<3
Pilling		3.1/4				3
<b>Thermal Protection</b>						
Vertical Flame Char Length, inch (warp/fill)	ASTM D6413	1.79/1.57	2.7/3	2.4/1.5	3.1/3.1	3/2.8
<b>Exposure Energy</b>						
Instrumented Thermal Mannikin (% total predicted body burn)	ASTM F1930					
6 cal/cm2 (3 sec at 2 cal/cm2 sec)		16.0	21.3	12.3	12.0	7.4
8 cal/cm2 (4 sec at 2 cal/cm2 sec)		49.0	49.2	35.0	34.5	23.8
10 cal/cm2 (5 sec at 2 cal/cm2 sec)		63.0			58.0	
Arc Thermal Protection Value (cal/cm2)				7.8	5.8	8.7
TPP Spaced (Thermal Protective Performance cal/cm2)		12.0	13.1	13.8	13.0	13.1
TPP Contact (Thermal Protective Performance cal/cm2)		6.2	7.6	6.7	6.2	9.6