

FAITEX Performance Properties

TEST	Unite	05 15µm	05 FR 20 µm	09 15µm	109 15 µm	111 15 µm	111 FR 20 µm	120 15µm	1850 8 µm
Chemical Base		TPU	TPU	TPU	PES	PES	PES	PES	PES
RET Skin Model <small>NF EN 31092 - ISO 11092</small>	m2.Pa/W	high	high	low	low	high	high	high	excellent
Hydrostatic Pressure * <small>EN ISO 20811 modified</small>	m	> 10	> 10	> 10	> 10	> 10	> 10	> 10	< 10
Melting Range <small>DSC ISO 11357-1</small>	°C	180 - 195	180 - 195	170 - 180	185 - 195	205 - 215	205 - 215	210 - 220	205 - 215
Typical Applications	Leisure Sportwear			Work wear and protective clothing			Work wear	Cycling wear Sportwear	
	Hunting garments	Fire protective clothing		Leisurewear			Fire protective clothing	Technical laminations for industrial usage	Leisurewear
	Shoes			Shoes			Military apparel		
	Ideally for two and three layers			Military apparel police wear			Special applications	Sublimation printing	
Key Properties	Soft touch and comfortable			membrane with average performance for commodity market			Soft touch and comfortable		light
	Good elastic			Tack-free surface			Tack-free surface FR properties		Tack-free surface
	No Noise			Tack-free surface			Tack-free surface FR properties		Tack-free surface
	Excellent mechanical properties: elasticity, elongation, abrasion resistance, etc.			Higher breathability			Very high breathability		

Last review: 04/2019

FAITEX Physical and Mechanical Properties

Density* <small>UNI EN ISO 1183-1:2013</small>	g/cc	1,20	1,40	1,22	1,21	1,20	1,40	1,20	1,20
Tensile Strength* <small>ISO 527-3/2/200</small>	N	10 10	10 10	13 13	9,5 9,5	7 7	6,5 5,5	9 9	4 4
Elongation at break* <small>ISO 527-3/2/200</small>	%	530 530	500 400	550 550	800 800	740 740	650 650	650 650	600 700
Modulus 100%* <small>ISO 527-3/2/200</small>	N	1,5 1,5	2,0 2,0	1,3 1,3	2,2 2,2	2,1 2,1	2,8 2,8	3,5 3,5	1,3 1,3
Modulus 300%* <small>ISO 527-3/2/200</small>	N	3,2 3,2	4,5 4,5	3 3	4,2 4,2	3,1 3,1	3,8 3,8	4,5 4,5	1,8 1,8
Tear Propagation* <small>ISO 34-1:2015</small>	N/mm	50 50	50 50	60 60	100 100	90 90	90 80	125 125	110 110

* Typical values obtained from lots of neutral films produced in different widths. Colours and treatment can influence significantly these values.

FAITEX Delivery Specification

Standard thickness	µm	10 - 15 - 20	>20	10 - 15	>15	10 - 15 - 20	>20	15 - 20	8
Standard width	mm	1550	1550	1550	1550	1550	1550	1550	
Roll length	m	up to 1000			up to 1000				
Colours	Transparent and white (on request different colours)				Transparent and white (on request different colours)				
Carrier	With or without carrier				With or without carrier				
Core Ø	m m	76 or 152	76 or 152	76 or 152	76 or 152	76 or 152	76 or 152	76 or 152	

Release date: 15/04/16



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