

## Typical Physical Properties of SpectraMax® Fabrics

SpectraMax® products are nonwoven fabrics made by spinning and thermally bonding 2 denier continuous filaments of nylon (PA66) into a drapable, conformable, textile-like fabric. SpectraMax® fabrics have a "herring bone" pattern. Available in weights range from 0.40 osy\* (14g/m2) to 3.0 osy (102g/m2) in widths up to 120 inches (3 meters).

### English Units

Fabric Weight	Thickness (ProGage)	Grab Strength				Trap Tear		Burst Strength	Air Perm. (Tex Test)
		MD		CD		MD	CD		
osy	mils	lbs.	% elong.	lbs.	% elong.	lbs.	lbs.	psi	cfm/ft2
0.40	4.0	6	51	4	56	2	3	8	1171
0.50	5.0	10	61	7	66	3	4	15	1048
0.70	6.0	16	65	12	68	4	6	18	657
1.00	8.0	29	68	19	73	6	8	27	365
1.20	9.0	40	73	25	76	8	12	31	311
1.30	10.0	38	75	27	77	8	13	31	286
1.50	10.0	45	76	32	78	9	15	34	237
1.75	12.0	61	80	43	84	11	19	44	197
2.00	13.0	71	80	52	83	12	21	51	137
2.50	15.0	91	85	64	91	11	18	66	100
3.00	17.0	111	87	82	90	16	20	80	81
ASTM D3776	ASTM D5729	ASTM D5034				ASTM D5733		ASTM D3786	ASTM D737

### Metric Units

Fabric Weight	Thickness (ProGage)	Grab Strength				Trap Tear		Burst Strength	Air Perm. (Tex Test)
		MD		CD		MD	CD		
gsm	mm	N	% elong.	N	% elong.	N	N	kPa	m3/m2/s
14	0.10	26.7	51	17.8	56	8.9	13.3	55.2	5.95
17	0.13	44.5	61	31.1	66	13.3	17.8	103.4	5.32
24	0.15	71.2	65	53.4	68	17.8	26.7	124.1	3.34
34	0.20	129.0	68	84.5	73	26.7	35.6	186.2	1.85
41	0.23	177.9	73	111.2	76	35.6	53.4	213.7	1.58
44	0.25	169.0	75	120.1	77	35.6	57.8	213.7	1.45
51	0.25	200.2	76	142.3	78	40.0	66.7	234.4	1.20
60	0.30	271.3	80	191.3	84	48.9	84.5	303.4	1.00
68	0.33	315.8	80	231.3	83	53.4	93.4	351.6	0.70
85	0.38	404.8	85	284.7	91	48.9	80.1	455.1	0.51
102	0.43	493.8	87	364.8	90	71.2	89.0	551.6	0.41
ASTM D3776	ASTM D5729	ASTM D5034				ASTM D5733		ASTM D3786	ASTM D737

## Typical Roll Sizes and Weights of SpectraMax® Fabrics

Fabric Weight		Max. Roll Width		Regular Size					
				Roll Length		Approx. Roll Diameter		Approx. Roll Weight	
osy	gsm	inches	mm	yards	m	inches	mm	lbs	kg
0.50	17	120	3'048	3'000	2'743	19	483	313	142
0.70	24	121	3'073	3'000	2'743	22	559	441	200
1.00	34	122	3'099	2'000	1'829	22	559	424	192
1.30	44	122	3'099	2'000	1'829	22	559	551	250
1.50	51	122	3'099	1'000	914	19	483	318	144
1.75	59	122	3'099	1'000	914	20	508	371	168
1.80	61	122	3'099	1'000	914	20	508	381	173
2.00	68	123	3'124	1'000	914	21	533	427	194
2.50	85	123	3'124	1'000	914	24	610	534	242
3.00	102	123	3'124	500	457	20	508	320	145

Fabric Weight		Max. Roll Width		Jumbo Size					
				Roll Length		Approx. Roll Diameter		Approx. Roll Weight	
osy	gsm	inches	mm	yards	m	inches	mm	lbs	kg
0.50	17	120	3'048	7'000	6'401	30	762	729	331
0.70	24	121	3'073	5'000	4'572	29	737	735	333
1.00	34	122	3'099	3'000	2'743	26	660	635	288
1.30	44	122	3'099	3'000	2'743	26	660	826	375
1.50	51	122	3'099	2'000	1'829	27	686	635	288
1.75	59	122	3'099	2'000	1'829	28	711	741	336
1.80	61	122	3'099	2'000	1'829	29	737	763	346
2.00	68	123	3'124	2'000	1'829	30	762	854	387
2.50	85	123	3'124	1'500	1'372	29	737	801	363
3.00	102	123	3'124	1'000	914	26	660	641	291

\*Please ask us for additional basis weights