



## TYPICAL PHYSICAL PROPERTIES OF CEREX® FABRICS

Cerex® products are nonwoven fabrics made by spinning and autogenously bonding continuous filaments of nylon into a flat, smooth, strong, crisp fabric. Autogenous bonding is achieved by exposing the nylon web to a chemically activating gas phase that is later removed from the web. The fabric is available in weights ranging from 0.25 ounces/square yard (9 grams/square meter) to 3.0 ounces/square yard (102 grams/square meter) in widths up to 120 inches (3 meters).

Filament Geometry	Fabric Weight <sup>1</sup>		Average Thickness <sup>2</sup>		Grab Tensile Strength <sup>3</sup>				Trapezoid Tear Strength <sup>4</sup>				Burst Strength <sup>5</sup>		Air Permeability <sup>6</sup>	
					Machine Direction		Cross Direction		Machine Direction		Cross Direction					
	osy	gsm	mil	mm	lbs	N	lbs	N	lbs	N	lbs	N	psi	kPa	cfm/ft <sup>2</sup>	m <sup>3</sup> /m <sup>2</sup> /sec
Round	0.25	8	2.6	0.07	7	31	4	18	4.5	20	2.1	9	9	62	1350	7.1
Round	0.3	10	2.6	0.07	8	36	4	18	5.0	22	2.5	11	10	69	1327	6.7
Round	0.4	14	3.0	0.08	12	53	6	27	6.7	30	3.7	16	13	90	1127	5.7
Round	0.5	17	3.3	0.08	16	71	10	44	7.3	32	4.3	19	16	110	949	4.8
Round	0.6	20	3.6	0.09	20	89	12	53	8.3	37	5.2	23	20	138	768	3.9
Round	0.7	24	3.8	0.10	25	111	15	67	9.3	41	6.0	27	24	165	664	3.4
Round	0.85	29	4.4	0.11	30	134	18	80	10.3	46	7.0	31	29	200	498	2.5
Round	1.0	34	4.8	0.12	38	165	22	98	11.2	50	7.9	35	34	234	405	2.1
Round	1.5	51	6.4	0.16	59	263	35	156	14.0	62	10.0	44	53	365	250	1.3
Round	2.0	68	7.9	0.21	78	347	48	214	22.0	98	13.0	58	71	489	163	0.8
Round**	3.0	102	9.5	0.24	123	547	87	387	32.0	142	24.0	107	110	758	98	0.5
Trilobal**	0.25	8	2.6	0.07	7	29	4	17	3.7	16	1.7	8	12	82	1385	7.0
Trilobal	0.4	14	3.4	0.09	12	52	7	31	5.1	23	3.6	16	17	117	1119	5.7
Trilobal	.045	15	3.6	0.09	13	60	8	36	6.1	27	4.4	20	18	123	1053	5.4
Trilobal**	0.5	17	3.8	0.10	16	71	10	43	6.2	28	5.3	24	22	148	875	4.5
Trilobal**	0.85	29	4.5	0.11	27	119	18	79	5.8	36	5.7	25	33	224	515	2.6
Trilobal**	1.0	34	5.0	0.13	34	149	24	107	8.8	39	7.2	32	38	260	429	2.2
Trilobal**	1.5	51	6.9	0.18	47	207	36	158	11.3	50	10.7	48	55	378	272	1.4

<sup>1</sup>ASTM D-3776-85; <sup>2</sup>ASTM D-1777-80; <sup>3</sup>ASTM D-5034-90; <sup>4</sup>ASTM D-1117-80; <sup>5</sup>ASTM D-3786-87; <sup>6</sup>ASTM D737-75

\*\* These are tentative typical properties based on one roll sampled from one production lot

Other basis weights available upon request.

## STANDARD ROLL SIZES\* AND WEIGHTS OF CEREX® FABRICS\*\*

Fabric Weight		Maximum Roll Width		Regular Size						Jumbo Size					
				Roll Length		Approximate Roll Diameter		Approximate Roll Weight		Roll Length		Approximate Roll Diameter		Approximate Roll Weight	
osy	gsm	inches	mm	yards	m	inches	cm	lbs	kg	yards	m	inches	cm	lbs	kg
0.25	8	88	234	3,000	2740	14	36	115	52	10,000	9,140	25	63	382	173
0.3	10	117	297	3,000	2740	15	38	183	83	10,000	9,140	27	68	609	276
0.4	14	120	304	3,000	2740	17	43	250	113	7,000	6,400	25	63	583	264
0.5	17	120	304	3,000	2740	19	48	313	142	7,000	6,400	28	71	729	330
0.6	20	120	304	3,000	2740	20	51	375	170	6,000	5,480	28	71	750	340
0.7	24	121	307	3,000	2740	21	53	441	200	6,000	5,480	30	76	882	400
0.85	29	122	310	3,000	2740	23	58	540	245	5,000	4,570	30	76	900	408
1.0	34	122	310	2,000	1,820	20	51	424	192	3,000	2,740	25	63	635	288
1.5	51	122	310	2,000	1,820	25	63	641	290	N/A	N/A	N/A	N/A	N/A	N/A
2.0	68	124	314	2,000	1,820	28	71	861	390	N/A	N/A	N/A	N/A	N/A	N/A
3.0	102	124	314	2,000	914	24	61	645	293	N/A	N/A	N/A	N/A	N/A	N/A

\*Other roll sizes available upon request

\*\* Roll weights are calculated and are based on nominal basis weights