

# SOFTEX®

## Coextruded Spunbond

### TYPICAL PHYSICAL PROPERTIES

		SOFTEX WHITE	SOFTEX WHITE	SOFTEX WHITE	SOFTEX WHITE	SOFTEX BLUE
<b>BASIS WEIGHT</b>	(OSY) (GSM)	.60 20	.74 25	1.24 42	.60 20	1.48 50
<b>POLYMERS</b>		Polyethylene Polypropylene	Polyethylene Polypropylene	Polyethylene Polypropylene	Polyethylene Nylon	Polyethylene Polypropylene
<b>TENSILE</b> (g/cm)	(MD) (CD)	645 480	820 660	1520 1300	915 600	1450 1270
<b>ELONGATION</b> (%)	(MD) (CD)	75 83	80 90	125 135	60 70	115 110
<b>SURFACE PROPERTY</b>		Hydrophilic	Hydrophobic	Hydrophobic	Antistatic	Hydrophobic
<b>STRIKETHROUGH</b> (seconds)		2.1	n/a	n/a	n/a	n/a





Qualiflo - T709C  
Typical Physical Properties

<u>PROPERTY</u>		<u>AIM</u>	<u>MIN</u>	<u>MAX</u>
Basis Wt.	(oz/yd <sup>2</sup> )	11.0	10.0	12.0
Thik.	mils	111	88	126
Air Perm	cfm	105	85	125
Hom	gms	650	400	900

PARTICLE EFFICIENCY %

Initial Efficiency % 97.3

Final Efficiency % 99.4

Dust Capacity, g/in<sup>2</sup> .53

Test Method  
SAE J726

REP 10/22/01

# UltraFlo™

## Spunbonded Polypropylene Meltblown Composite

### TYPICAL PHYSICAL PROPERTIES

#### BASIS WEIGHT

(osy)	2.6	2.1	1.8	1.6	1.4	0.5
(gsm)	88	71	61	54	47	17

#### TOUGHNESS

(lb)	MD	55	48	37	31	25	9
	XD	33	27	23	19	15	4
(N/2.5cm)	MD	247.5	216.0	166.5	139.5	112.5	40.5
		148.5	121.5	103.5	85.5	67.5	18.0

#### ENERGY ABSORBED

(in/lb)	MD	180	140	110	90	75	--
	CD	145	150	100	80	65	--
(N/2.5 cm)	MD	810.0	630.0	495.0	405.0	337.5	--
	CD	652.5	675.0	450.0	360.0	292.5	--

#### FRAZIER AIR PERMEABILITY

(cfm/ft <sup>2</sup> )	50	55	55	55	60	310
(1/m <sup>2</sup> /s)	254.0	279.4	279.4	279.4	304.8	1574.8

#### THICKNESS

(mils)	19	18	13	12	11	4
(mm)	0.48	0.46	0.33	0.30	.028	0.10

#### % EFFICIENCY IN AIR @ 5 MICRONS

99.9	99.9	99.9	99.9	99.9	99.9	--
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# MasterFlo™

## TYPICAL PHYSICAL PROPERTIES

	<u>MasterFlo 100</u>	<u>MasterFlo 125</u>
<b>FIBER CONTENT</b>	polyester	polyester
<b>STRUCTURE</b>	needled	needled
<b>BASIS WEIGHT</b> (oz/yd <sup>2</sup> )	3.0	4.0
(gsm)	102	136
<b>THICKNESS</b> @ 2 oz./in <sup>2</sup> (mils)	52	75
<b>GRAB TENSILE STRENGTH</b> (lbs)	<b>MD:</b> 32	39
	<b>XD:</b> 42	53

## TYPICAL LABORATORY FILTRATION DATA:

	<b>PLUG TIME (MIN.)</b>	<b>EFFICIENCY (% BY WT.)</b>
• MasterFlo 100	6.23	24.1%
• MasterFlo 125	6.28	31.5%
• 3 oz. medium loft	5.69	20.1%
• 4 oz. medium loft	5.57	27.6%
• 2.0 oz. sonic bond	2.58	26.0%
• 2.3 oz. sonic bond	1.83	33.8%
• 2.0 oz. pattern bond	1.48	39.1%
• 1.8 oz. wet-laid	1.43	40.0%
• 1.3 oz. spunbonded	1.42	30.8%
• 1.7 oz. spunbonded	1.22	33.4%
• 2.5 oz. wet-laid	0.71	49.0%

Typical Laboratory Filtration Data: 200 mg/L 60/40% ISO Fine/Coarse dust, 25 GPM/ft<sup>2</sup>, in in.Hg



## HYDROENTANGLED SUBSTRATES

### TYPICAL PHYSICAL PROPERTIES

GRADE		140-060	140-072	140-115	140-114	140-119	140-300
<b>WEIGHT</b>	g/m <sup>2</sup>	57.4	40.7	62.2	81.3	59.8	81.3
	osy	1.7	1.2	1.8	2.4	1.75	2.4
<b>THICKNESS</b>	mils	23.5	20	25.5	24	48	25.5
<b>MD TENSILE</b>	lbs/in	17.5	17.5	22	27.5	3	27
<b>CD TENSILE</b>	lbs/in	5	6	17	9.5	1.5	279.5
<b>COMPOSITION</b>		100% PET	100% PET	100% PET	100% rayon	PET/coPET	rayon/PET



# UltraMesh™

## **TYPICAL PHYSICAL PROPERTIES**

<b>GRADE</b>		<b>9356777</b>	<b>L57.11</b>
<b>WEIGHT</b>	osy g/m <sup>2</sup>	2.0 67	2.6 89
<b>THICKNESS</b>	mils	31	26
<b>MD TENSILE</b>	g/in	5285	5000
<b>CD TENSILE</b>	g/in	1500	2925
<b>TEXTTEST AIR PERM</b>	cfm	160	--
<b>LAYER CONSTRUCTION</b>		A-B-A	A-B-C



# StarWeb®

## **TYPICAL PHYSICAL PROPERTIES**

<b>STYLE</b>	<b>2253C</b>	<b>T503</b>	<b>2817</b>	<b>7068R</b>
<b>WEIGHT</b> (osy) (gsm)	.53 18	1 34	1.5 51	3 102
<b>DENIER PER FILAMENT</b>	2.2	2.2	4	4
<b>THICKNESS</b> (mils)	3.8	6	13	22
<b>STRIP TENSILE</b> (lbs), MD x XD	1 x .63	2 X 1	2 X 1	5 X 3



# SuperPleat™ (L-445)

## TYPICAL PHYSICAL PROPERTIES

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PROPERTY	SuperPleat L-445
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<b>UNIT WEIGHT</b> (osy) (gsm)	8.6 292
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<b>AIR PERM.</b> (cfm)	41
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<b>ZDT IBS</b> (lbs)	31
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<b>THICKNESS</b> (mils)	31
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<b>MULLEN BURST</b> (lbs)	205
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<b>FILTRATION EFFICIENCY</b> (3-5 microns)	<b>Initial</b>	86.6%
	<b>Loaded</b>	99.4%
	<b>Delta P – Loaded ("H<sub>2</sub>O)</b>	0.688
	<b>Delta P – after Cleaning ("H<sub>2</sub>O)</b>	0.299

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# CELESTRA® Spunbonded Polypropylene

## TYPICAL PHYSICAL PROPERTIES

<b>WEIGHT</b> (osy) (gsm)	0.50 16.9	0.7 23.7	0.90 30.5	1.25 42.3	1.50 50.8
<b>MD Tensile</b> (lb)	9.6	13.7	17.7	24.0	31.3
<b>CD Tensile</b> (lb)	7.2	11.4	14.9	21.3	25.6
<b>MD Elongation</b> (%)	53.3	50.0	50.0	50.0	53.3
<b>CD Elongation</b> (%)	66.7	60.0	60.0	56.7	60.0

