

## Technical Data Sheet

### 1. General Specification:

Thickness(mm)	Weight Range (gsm)
2mm	300 - 450
3mm	400 - 600
4mm	600 - 900
5mm	800 - 1200
6mm	900 - 1600
7mm	1000-1800
8mm	1400 - 2000
9mm	1600 - 2000
10mm	1600 - 2200
11mm	2200-2400
12mm	2400-3000
Colour	Natural, White, White Opaque, Blue, Green, Yellow, Grey, Red, Black etc.
Standard Size(LxW)	2440mm X 1220mm 2400mm X 1200mm 2000mm X 1000mm 1200mm X 1000mm 618mm X 452mm
Max. Width (mm)	1220mm
Material	Polypropylene, High Density Polyethylene
Physical Property	<ul style="list-style-type: none"> <li>•100% recyclable plastic.</li> <li>•Customized sizes available.</li> <li>•Available in 8 different Strengths.</li> <li>•Water/Grease/Stain/Chemical Resistant.</li> <li>•Stronger and more durable than corrugated fiberboard.</li> <li>•Extremely lightweight.</li> <li>•Won't rust, rot, mildew or corrode like metal or wood.</li> <li>•Can be printed on easily and clearly.</li> <li>•Tear, puncture and impact -resistant.</li> <li>•Can be scored, creased, stapled, nailed, stitched, folded &amp; drilled.</li> <li>•Can be made for die-cut.</li> <li>•Can be sonic or heat welded.</li> <li>•Each liner and fluting can be produced in different colors. (laminate only)</li> <li>•Resists a wide range of chemicals, grease and dirt.</li> <li>•Can be produced with a non-skid coating on one side.</li> <li>•Can be flame retardant and UV stabilized</li> <li>•Normal temperature usage range from -20°C to + 70°C</li> </ul>

# Technical Data Sheet

## Technical Data Sheet A

Thickness	2mm	3mm	4mm	5mm	6mm	7mm	8mm	9mm	10mm	11mm	12mm
Density (gsm)	300-450	400-600	600-900	800-1200	900-1600	1000-1800	1400-2000	1600-2000	1600-2200	2200-2400	2400-2600
Skin Thickness	0.0065"	0.008"	0.009"	0.013"	0.018"	0.023"	0.030"	0.040"	0.051"	0.067"	0.086"
Flute Thickness	0.0065"	0.008"	0.009"	0.013"	0.018"	0.023"	0.030"	0.040"	0.051"	0.067"	0.086"
Color	All	All	All	All	All	All	All	All	All	All	All
Surface Tension (dyne/cm)	≥46	≥46	≥46	≥46	≥46	≥46	≥46	≥46	≥46	≥46	≥46

Notice: All tolerances are subject to change without notice.

## 3. Technical Data Sheet B

Type	Conductive			Antistatic			Normal		
Color	Black			Multicolor			Multicolor		
Thickness (mm)	3	4	5	3	4	5	3	4	5
Surface Resistance (ohms)	103-5	103-5	103-5	106-11	106-11	106-11	≥10 <sup>12</sup>	≥10 <sup>12</sup>	≥10 <sup>12</sup>
Breaking Strength (N)	>250	>300	>400	>250	>300	>400	>250	>300	>400
Horizontal Press Force (N)	>900	>1000	>1200	>900	>1000	>1200	>900	>1000	>1200
Vertical Press Force (N)	>150	>350	>500	>150	>350	>500	>150	>350	>500
Tear Strength (%)	>50	>50	>50	>50	>50	>50	>50	>50	>50

# Technical Data Sheet

## 4.TOLERANCE

Surface	Color	Specification	Tolerance
Corona Treatment(Dyne Level)	All	54 dyne/cm	46 dyne/cm(minimum)
Density(grams/sq.meter)	Thickness	Density Tolerance	Thickness Tolerance
400gsm/500gsm/450gsm	2mm	±4%	±0.15mm
550gsm/600gsm	3mm	±4%	±0.15mm
750gsm/700gsm	4mm	±5%	±0.15mm
1000gsm/950gsm/1100gsm	5mm	±5%	±0.15mm
1400gsm/1300gsm	6mm	±5%	±0.15mm
1800gsm/1700gsm	8mm	±5%	±0.15mm
2000gsm/2100gsm	10mm	±5%	±0.20mm
Width ( flutes )	Material Size	Tolerance	
Extruder(Offline)	2mm-6mm	±3.5mm	
	8mm-10mm	-3.5mm,+7mm	
Slitter(Cut Square)	2mm-6mm	±3.5mm	
	8mm-10mm	-3.5mm,+7mm	
Die Cut	2mm-6mm	±3.5mm	
	8mm-10mm	-3.5mm,+7mm	
Length	Material Size	Tolerance	
Extruder(Offline)	<915mm	-0mm,+15mm	
	915mm-1677mm	-0mm,+20mm	
	1677mm-2440mm	-0mm,+25mm	
	>2440mm	-0mm,+30mm	
Slitter(Cut Square)	All	-0mm,+3.5mm	
Die Cut	<915mm	±3.5mm	
	915mm-1677mm	±5mm	
	1677mm-2540mm	±7mm	
	>2540mm	±10mm	
Squareness	Material Size	Tolerance	
*The difference in length between the corner to corner diagonal measurement			
Extruder(Offline)	<1524mm	10mm	
	>1524mm	16mm	
Slitter(Cut Square)	<1524mm	3.5mm	
	1524mm-1830mm	7mm	
	>1830mm	8mm	
Die Cut	<1830mm	7mm	
	>1830mm	8mm	

## Technical Data Sheet

Warp/Bow	Material Size	Tolerance
*Maximum height above a flat surface of any portion of a sheet		
	<2440mm	7mm
	>2440mm	25mm
	1778mm×1778mm and larger	50mm
Straightness*	Material Size	Tolerance
*Maximum distance measured between the edge of a sheet of and a straight edge when the two corners of the sheet touch the straight edge		
	<2500mm	3.5mm
	>2500mm	5mm
10 pieces together, and then averaging		