



# TECHNICAL SHEET

Hoja Técnica

## Fluted Polypropylene

Polipropileno Acanalado

**Material:** Polypropylene, High Density Polyethylene

### Physical Property

- 100% recyclable plastic.
  - Customized sizes available.
  - Available in 8 different Strengths.
  - Water/Grease/Stain/Chemical Resistant.
  - Stronger and more durable than corrugated fiberboard.
  - Extremely lightweight.
  - Won't rust, rot, mildew or corrode like metal or wood.
  - Can be printed on easily and clearly.
  - Resists a wide range of chemicals, grease and dirt.
- Normal temperature usage range from -20°C to + 70°C

### Product Sizes Tested

Sizes: 2mm – 12mm Clear and Colors  
 L x W: 2440mm X 1220mm  
 2400mm X 1200mm  
 2000mm X 1000mm  
 1200mm X 1000mm  
 618mm X 452mm

### Technical 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



**East Coast Location:** 3608 Ventura Dr. East Lakeland, Fl. 33811  
**West Coast Location:** 6645 Echo Ave. Reno, NV. 89506  
 Tel: 863-688-1983 Fax: 863-688-1034 [www.plastictradingint.com](http://www.plastictradingint.com)



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### Technical 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	≥1012	≥1012	≥1012
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

### Tolerance

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		



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Making The World Smaller

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**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
	2mm-6mm		±3.5mm
Extruder(Offline)	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
	<915mm		-0mm,+15mm
	915mm-1677mm		-0mm,+20mm
	1677mm-2440mm		-0mm,+25mm
Extruder(Offline)	>2440mm		-0mm,+30mm
Slitter(Cut Square)	All		-0mm,+3.5mm
	<915mm		±3.5mm
Die Cut	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
	<1524mm		3.5mm
Slitter(Cut Square)	1524mm-1830mm		7mm
	>1830mm		8mm
	<1830mm		7mm
Die Cut	>1830mm		8mm