

Coroplast

4501 Spring Valley Road
 Dallas, Texas 75244
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2 mm	Color	Specification	Tolerance
Gauge	all	2 mm	± 0.15 mm
Density (grams/sq. meter)	all	450	± 5%
Density (lbs/1000 sq. ft.)	all	92	± 5%
Skin Thickness	all	0.0065"	± 0.0015"
Flute Thickness	all	0.0065"	± 0.0015"
Surface Tension (Dyne Level)	all	46 dyne/cm (minimum)	46 dyne/cm (minimum)
3 mm			
3 mm	Color	Specification	Tolerance
Gauge	all	3 mm	± 0.15mm
Density (grams/sq. meter)	all	600	± 5%
Density (lbs/1000 sq. ft.)	all	116	± 5%
Skin Thickness	all	0.008"	± 0.0020"
Flute Thickness	all	0.008"	± 0.0020"
Surface Tension (Dyne Level)	all	46 dyne/cm (minimum)	46 dyne/cm (minimum)
4 mm			
4 mm	Color	Specification	Tolerance
Gauge	all	4 mm	± 0.15 mm
Density (grams/sq. meter)	nat. & wht.	750	± 5%
Density (lbs/1000 sq. ft.)	nat. & wht.	150	± 5%
Density (grams/sq. meter)	colors	700	± 5%
Density (lbs/1000 sq. ft.)	colors	143	± 5%
Skin Thickness	all	0.009"	± 0.0020"
Flute Thickness	all	0.009"	± 0.0020"
Surface Tension (Dyne Level)	all	46 dyne/cm (minimum)	46 dyne/cm (minimum)
5 mm			
5 mm	Color	Specification	Tolerance
Gauge	all	5 mm	± 0.15 mm
Density (grams/sq. meter)	all	1000	± 5%
Density (lbs/1000 sq. ft.)	all	204	± 5%
Skin thickness	all	0.013"	± 0.0020"
Flute thickness	all	0.013"	± 0.0020"
Surface Tension (Dyne Level)	all	46 dyne/cm (minimum)	46 dyne/cm (minimum)
6 mm			
6 mm	Color	Specification	Tolerance
Gauge	all	6 mm	± 0.15 mm
Density (grams/sq. meter)	all	1400	± 5%
Density (lbs/1000 sq. ft.)	all	286	± 5%
Skin thickness	all	0.018"	± 0.0025"
Flute thickness	all	0.018"	± 0.0025"
Surface Tension (Dyne Level)	all	46 dyne/cm (minimum)	46 dyne/cm (minimum)
7 mm			
7 mm	Color	Specification	Tolerance
Gauge	all	7 mm	± 0.15 mm
Density (grams/sq. meter)	all	1700	± 5%
Density (lbs/1000 sq. ft.)	all	347	± 5%
Skin thickness	all	0.024"	± 0.007"
Flute thickness	all	0.023"	± 0.007"
Surface Tension (Dyne Level)	all	46 dyne/cm (minimum)	46 dyne/cm (minimum)

8 mm	Color	Specification	Tolerance
Gauge	all	8 mm	± 0.15 mm
Density (grams/sq. meter)	all	1800	± 5%
Density (lbs/1000 sq. ft.)	all	367	± 5%
Skin thickness	all	0.030"	± 0.008"
Flute thickness	all	0.029"	± 0.008"
Surface Tension (Dyne Level)	all	46 dyne/cm (minimum)	46 dyne/cm (minimum)
10 mm	Color	Specification	Tolerance
Gauge	all	10 mm	± 0.15 mm
Density (grams/sq. meter)	all	2000	± 5%
Density (lbs/1000 sq. ft.)	all	408	± 5%
Skin thickness	all	0.034"	± 0.008"
Flute thickness	all	0.025"	± 0.008"
Surface Tension (Dyne Level)	all	46 dyne/cm (minimum)	46 dyne/cm (minimum)
12 mm	Color	Specification	Tolerance
Gauge	all	12 mm	± 0.15 mm
Density (grams/sq. meter)	all	2400	± 5%
Density (lbs/1000 sq. ft.)	all	490	± 5%
Skin thickness	all	0.036"	± 0.008"
Flute thickness	all	0.025"	± 0.008"
Surface Tension (Dyne Level)	all	46 dyne/cm (minimum)	46 dyne/cm (minimum)

Width	Material Size	Tolerance
Extruder (Offline)	2 mm - 6 mm	±1/8"
	8 mm - 10 mm	-1/8", +1/4"
Slitter (Cut Square)	2 mm - 6 mm	±1/8"
	8 mm - 10 mm	-1/8", +1/4"
Die Cutter	2 mm - 6 mm	±1/8"
	8 mm - 10 mm	-1/8", +1/4"
Length	Material Size	Tolerance
Extruder (Offline)	< 36"	-0", +3/4"
	36" - 66"	-0", +1-1/8"
	66" - 96"	-0", +1-1/2"
	> 96"	-0", +2"
Slitter (Cut Square)	All	-0", +1/8"
Die Cutter	< 36"	±1/8"
	36" - 66"	±3/16"
	66" - 100 "	±1/4"
	>100"	±3/8"
Squareness*	Material Size	Tolerance
* The difference in length between the corner to corner diagonal measurement		
Extruder (Offline)	< 60"	3/8"
	> 60"	5/8"
Slitter (Cut Square)	< 60"	1/8"
	60" - 72"	1/4"
	> 72"	5/16"
Die Cutter	< 72"	1/4"
	>72"	5/16"

Warp/Bow*	Material Size	Tolerance
* Maximum height above a flat surface of any portion of a sheet		
	< 96"	1/4"
	> 96"	1.0"
	70" x 70" or Larger	2.0"
Straightness*	Material Size	Tolerance
* Maximum distance measured between the edge of a sheet of Coroplast and a straight edge when the two corners of the sheet touch the straight edge		
	< 98"	1/8"
	> 98"	3/16"

Notice: All tolerances are subject to change without notice.

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General Properties of Coroplast Plastic Sheets

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The name Coroplast™ applies to a wide range of extruded twin-wall plastic sheet products based on a high impact polypropylene copolymer.

Coroplast™ is a high-quality polypropylene twin-wall profile sheet formulated specifically for use in the screen printing, display and packaging markets.

Coroplast™ uses a copolymer resin in order to increase impact and low temperature performance. Copolymer resins are also used because they retain the ability to be flexed an unlimited number of times without breaking. We call this unique ability "a living hinge".

Chemically, the sheet is inert, with a NIL pH factor. At regular temperatures most oils, solvents and water have no effect, allowing it to perform under adverse weather conditions or as a product component exposed to harsh chemicals.

All Coroplast™ twin-wall profile sheets can be modified with additives, which are melt-blended into the sheet to meet the specific needs of the customer. Needs that require additives include: ultra violet protection, anti-static, flame retardancy, and color.

Coroplast™ products are offered in a wide range of standard, opaque and translucent colors.