



PRODUCT APPLICATION

- Food Storage Container
- Medical Field
- Printing
- Display Unit
- Light Boxes
- Advertising Signage.

SIZE

Max. Width : 82.67" / 2,100 mm

Width Tolerance : 0.004" / 0.1mm

Standard Length : 48" / 2440 mm

Length Tolerance : 0; 0.197" / 0; +5 mm



MATERIAL SPECIFICATION

PHYSICAL PROPERTIES

	METRIC	IMPERIAL	COMMENT
Specific Gravity	ASTM D792	-	1,27
Mold Shrinkage (Paralled to Flow)	ASTM D955	%	0.2 ~ 0.5
Rockwell Hardness	ASTM D785	R-scale	108

THICKNESS & OVERALL THICKNESS TOLERANCE

THICKNESS	OVERALL THICKNESS	WEIGHT (MIN) G/M²	MASS TOLERANCE PER UNIT AREA
0.020 in to 0.236 in / 0.5 mm to 6 mm	Within ASTM standards. Factory target: -/+ 0.008" or 0.20 mm	1,27	-/+3%

MECHANICAL PROPERTIES

	METRIC	IMPERIAL	COMMENT
Tensile Strength @ Yield 50mm/min (2 inch/min)	ASTM D638	Mpa (kgf/cm²)	50 (510)
Tensile Strength @ Break 50mm/min (2 inch/min)	ASTM D638	Mpa (kgf/cm²)	29 (300)
Flexural Strangth 1.27mm/min (0.05 inch/min)	ASTM D790	Mpa (kgf/cm²)	69 (700)
Flexural Modulus 1.27mm/min (0.05 inch/min)	ASTM D790	Mpa (kgf/cm²)	2100 (21400)
Izod Impact Stength Notched @ 23°C (73°F)	ASTM D256	J/m	105

LIGHT TRANSMITTANCE
(ASTM D 1003)

THICKNESS	STANDARD COLOUR	
	CLEAR	WHITE
1.5 mm	88	30
2 mm	88	30
3 mm	87	30
4 mm	87	30
5 mm	86	25
6 mm	86	25

OPTICAL PROPERTIES

	METRIC	IMPERIAL	COMMENT
Haze	ASTM D1003	%	<1.0
Transmission, Visible	ASTM D1003	%	90