



DATA SHEET FOR POLYCARBONATE COMPACT SHEET

PROPERTY		THICKNESS (mm)	UNIT	value
A)	PHYSICAL			
	DENSITY	1 To 12 mm	g/cm ³	1.18-1.22
B)	OPTICAL			
1	LIGHT TRANSMISSION		%	
	Clear (TP00100CT)	Up To 1.5 mm		≥ 84
		1.6 To 4 mm		≥ 82
		4.1 To 8 mm		≥ 80
		8.1 To 12 mm		≥ 78
	Bronze (TP41630CT)	1 To 12 mm		62±3%
	Green (TP37395CT)	1 To 12 mm		61±3%
	Blue (TP31720CT)	1 To 12 mm		70±3%
	Opal white (DIF60340CT)	1 To 12 mm		33±3%
	Clear diffuser (DIF00080CT)	1 To 12 mm		39±3%
	Reflective Silver (MET12105CT)	1 To 12 mm		52±3%
	IR Green (TP00450CT)	1 To 12 mm		76±3%
2	Haze		%	≥ 2
C	MECHANICAL			
1	TENSILE STRESS AT YIELD	1 To 12 mm	N/mm ²	≥ 68
2	ELONGATION AT BREAK	1 To 12 mm		≥ 100
3	Rockwell Hardness ('R' scale)	1 To 12 mm		≥ 120
4	Flexural Strength	1 To 12 mm		
D	Thermal		°C	
1	Heat Deflection temp. @ 264psi			≥ 138
2	Flammability, UL 94			HB

Note:- 1) color & light transmission to suit customer's request.