

POLYCARBONATE SHEET

Polycarbonate

● Transparent

Thk (mm)	Weight (kg/Mtr)	Tolerance (mm)	Width (mm)	Length (mm)		S	L
10	7.812	+0.3 / +1.50	620	1000	3000		●
20	16.400	+0.3 / +1.50	620	1000	3000		●
25	20.250	+0.3 / +1.50	620	1000	3000		●
30	24.750	+0.5 / +2.50	620	1000	3000		●
40	32.500	+0.5 / +2.50	620	1000	3000		●
50	39.060	+0.5 / +2.50	620	1000	3000		●

POLYCARBONATE VS ACRYLIC

Property	Polycarbonate (PC)	Acrylic (PMMA)
Impact resistance	Excellent	Moderate
Clarity	Excellent	Excellent
Light transmission	88–90%	92%
Scratch resistance	Moderate–low	Better
UV resistance	Good with UV coating	Excellent
Weather resistance	Good	Excellent
Working Temperature	-50 to +140°C	-40 to +70 ø
Flexural strength	ISO 178 100 MPa	More brittle
Weight	Similar	Similar
Machinability	Easy, but can stress-crack	Very easy
Chemical resistance	Moderate	Generally better
Typical cost	Higher	Usually lower
Appearance	Slightly less optically clear	Very clear / glass-like
Best for	Safety glazing, guards, machine protection, impact applications	Displays, signage, windows, light covers, aesthetics

Quick rule of thumb: Choose polycarbonate when impact strength and toughness are the priority; choose acrylic when optical clarity, scratch resistance, UV/ weathering, and appearance are the priority.