

EXTRUDED ABS SHEETS					ABS	
					● Natural/Ivory	
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Thk (mm)	Weight (kg/Sheet)	Tolerance (mm)	Width (mm)	Length (mm)		
10	7.05	+0.3 / +2.60	610	1220	●	
20	14.100	+0.3 / +2.60	610	1220	●	
25	17.650	+0.3 / +2.60	610	1220	●	
30	21.150	+0.5 / +3.00	610	1220	●	
40	28.200	+0.5 / +5.00	610	1220	●	
50	35.250	+0.5 / +5.00	610	1220	●	

ABS VS PVC

Property	ABS (Acrylonitrile Butadiene Styrene)	PVC (Polyvinyl Chloride)
Material Type	Engineering thermoplastic	Commodity thermoplastic
Strength	High impact strength; tough	Moderate strength; brittle without additives
Rigidity	Rigid	Available in rigid or flexible grades
Density	1.05 g/cm ³	~1.43 g/cm ³
Working Temperature	Typically -45°C to +70°C	Typically 0°C to +60°C
Chemical Resistance	Moderate	Excellent (acids, bases, salts)
UV Resistance	Poor without additives	Good with stabilizers
Weathering	Fair	Very good (especially outdoor PVC)
Flammability (UL 94)	HB	V-0
Machinability	Excellent	Good but can melt/gum if overheated
Cost	Higher	Lower
Common Uses	Enclosures, automotive parts, consumer electronics	Pipes, fittings, window frames, cable insulation
Bonding/Joining	Solvent welding, mechanical fastening	Solvent welding, heat welding
Colorability	Excellent	Good