

Typical Physical Properties of PVC Sheets

PROPERTIES	TEST METHOD	UNIT	INTEDUR Type 1
PHYSICAL			
Thickness	ASTIM D1505	in.	1/16" ~ 1/2"
Density	ASTM D792	g/cm ³	1.36 ~ 1.40
MECHANICAL			
Tensile Strength @ Yield	ASTM D638	psi	8,000 ~ 9,000
Elongation @ Break	ASTM D638	%	25 ~ 45
Flexural Modulus	ASTM D790	psi	380,000 ~ 430,000
Flexural Strength @ Yield	ASTM D790	psi	7,000 ~ 13,000
Izod Impact Strength (Notched)	ASTM D256	ft. lb./in.	0.8 ~ 2.5
Shore Hardness (D scale)	ASTM D2240	D	75 ~ 84
THERMAL			
Heat Deflection Temperature	ASTM D648	F	145 ~ 155
Vertical Burn Test	UL 94	–	V-O
REMARKS:			
(610) *The above properties may vary slightly due to different sheet thicknesses.			

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Chemical Resistance of PVC Sheets

REAGENT	CODE	REAGENT	CODE
Glacial Acetic Acid	2	Turpentine	1
Hydrogen Peroxide (30%)	1	Sodium Carbonate Solution (20%)	1
Acetone	4	Toluene	4
Hydrofluoric Acid (40%)	1	Methyl Alcohol	1
Ammonium Hydroxide (Concentrate)	1	Sulfuric Acid (Concentrate)	1
Carbon Tetrachloride	3	Citric Acid (10%)	1
Most Detergents	1	Ethyl Alcohol	1
Seed or Minerals Oils	1	Ethyl Acetate	4

Resistance Codes:

- 1 - Inert
- 2 - Limited
- 3 - Very Limited
- 4 - Non Resistant

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