

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

| REGENT | CODE | REGENT | 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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