

# Typical Properties- Type 1 PVC sheet

## Physical

	ASTM#	Value
Density	D-792	1.4 gm/cm <sup>3</sup>
Water Absorption	D-570	less than .07%
Rockwell Hardness	D-785	115 R scale
Shore Durometer	D-2240	80D

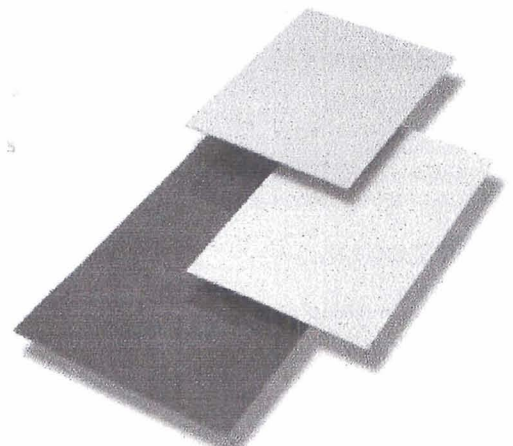
## Mechanical

Tensile strength	D-638	7400 psi
Flexural Modulus	D-790	approx. 400000 psi
Flexural strength	D-790	12000 psi
Izod Impact strength	D-256	1-3 ft lbs (notched)
Shear strength	D-732	9200 psi
Hardness Shore D	D-2240	82
Compressive strength	D-695	10,800 psi
Water Absorption	D-570	.032%(24 hrs)

## Thermal

Vicat Softening Point	D-1525	85 degrees C
Heat Deflection Temp	D-648	145-155 degrees F
Vertical Burn Test	UL-94	V-O
Thermal Expansion	D-696	.00295 in/in/degrees C

- Normal impact
- Standard sheet size is 48 x 96 inches
- Color is dark grey
- Conforms to ASTM D-1784



# Typical Properties- Type 2 PVC sheet

<b>Physical</b>	<b>ASTM#</b>	<b>Value</b>
Density	D-792	1.35 gm/cm <sup>3</sup>
Water Absorption	D-570	less than .07%
Rockwell Hardness	D-785	115 R scale
Shore Durometer	D-2240	80D
<b>Mechanical</b>		
Tensile strength	D-638	5600 psi
Flexural Modulus	D-790	approx. 320000 psi
Flexural strength	D-790	8000 psi
Izod Impact strength	D-256	10-15 ft lbs (notched)
Shear strength	D-732	6500 psi
Hardness Shore D	D-2240	80
Compressive strength	D-695	8000 psi
Water Absorption	D-570	.056%(24 hrs)
<b>Thermal</b>		
Vicat Softening Point	D-1525	85 degrees C
Heat Deflection Temp	D-648	160 degrees F
Vertical Burn Test	UL-94	V-O(1/32" th)
Thermal Expansion	D-696	.000032 in/in/degrees C

- High impact-high corrosion resistant
- Standard sheet size is 48 x 96 inches
- Color is medium grey
- Conforms to ASTM D-1784 class 16344B

