PVC RIGID TECHNICAL DATA SHEET

NovaRex PVC C-PVC Sheets are made from PVC, the most widely used member of the vinyl family. They can resist mineral acids, alkalis, plating solutions, paper making chemicals and other inorganic solutions and fumes. They also resist alcohols, glycols, aliphatic hydrocarbons, amines and phenols offering excellent corrosion and weather resistance. It has a high strength-to-weight ratio and is a good electrical and thermal insulator. PVC is also self-extinguishing per UL flammability tests. PVC may be used to temperatures of 140°F (60°C). They are available in Flexible Transparent type also.

Key Features:-

- Strong and durable
- Good Thermal insulation
- Good Dimensional Strength
- Good Electrical insulation
- Fire Retardant Properties
- Good Chemical Resistance
- Low Moisture Absorption
- Easy to join using Solvent Cement
- Easy to weld like other thermoplastics
- Wide skill / experience availability for fabrication activities
- FDA compliant

Typical Applications:-

- Chemical tanks and vessels
- Ducts and gutters to carry chemicals
- Control cabinets and panels
- Equipment for corrosive environments
- Paper making chemicals
- Vessel Lining
- Chemical Flooring
- Flexible PVC Strip Curtains
- Industrial Fabrication activity
- Valve and Pump Housing
- Manifolds & Slurry Conveyance
- Fire retardant applications
- Fume Scrubbers & FRP Applications

Standard Sizing:-

<table>
<tr><th>Thickness (in mm)</th><th>Width x Length (in m)</th><th>Packing</th></tr>
<tr><td>0.2-1</td><td>-</td><td rowspan="9">10 Pcs</td></tr>
<tr><td>2</td><td rowspan="6">1.22 x 2.44
1.25 x 2</td></tr>
<tr><td>3</td></tr>
<tr><td>4</td></tr>
<tr><td>5</td></tr>
<tr><td>6</td></tr>
<tr><td>8</td></tr>
<tr><td>10</td><td rowspan="5">1 x 2</td></tr>
<tr><td>12</td></tr>
<tr><td>15</td></tr>
<tr><td>20</td><td>1 Pc</td></tr>
<tr><td>25</td><td>1 Pc</td></tr>
<tr><td>30</td><td>1 Pc</td></tr>
<tr><td>40-50</td><td>1 x 2</td><td></td></tr>
</table>

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Typical Properties

Properties	Test Method	Unit	Value
Specific gravity (ρ)	ISO 1183	g/cm³	1.36
Max. permissible service temperature		°C	60
Lower permissible service temperature		°C	-15
Tensile strength at yield	ISO 527	Mpa	55
Elongation at break	ISO 527	%	≥10
Impact strength	ISO 179	KJ/m2	No Break
Modulus of elasticity	ISO 899	Mpa	3000
Shore Hardness	ISO 868	Shore- D	60

N.B.: Technical data refers to average values. The information provided above is based on the values measured in our laboratory as well as independent laboratories. The quoted values are based on specific resin properties and are subject to change without prior notice.

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