PVC
Polyvinyl chloride

Available in Sheet & Rod

PVC Overview
Polyvinyl chloride, or PVC for short, is one of the world's most widely used plastics for its extreme versatility. Most PVC produced goes into building and construction applications such as pipe, siding, and window profiles. PVC has a great resistance to oils and a low permeability to gases. Sheets can be welded to produce tanks, trays, and troughs. Packaging is another major market for PVC plastic. Rigid grades are blown into bottles and made into sheet for thermoforming boxes and blister packs. Flexible compounds are made into food wrap. Other markets for PVC plastics include wire and cable coating, flooring, garden hose, and toys.

PVC Applications
Roughly half of the world's polyvinyl chloride resin manufactured annually is used for producing pipes for municipal and industrial applications.

- Pipes: sanitary, sewer, water supply, reinforcement, drainage, gutters, downspouts
- Electrical cable insulation
- Painted wood substitute
- Window frames
- Leather-like substitute in clothing

PVC Features
- Good electrical/insulation properties
- Performance in a wide temperature range
- Durable with long-life expectancy
- Cost effective
- Excellent chemical resistance
- Light weight, high strength

PVC Specifications

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>Tensile Strength</td>
<td>7000 PSI</td>
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<tr>
<td>Flexural Strength</td>
<td>12500 PSI</td>
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<tr>
<td>Impact Strength, Notched Izod</td>
<td>3 Ft-lbs/inch</td>
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<tr>
<td>Hardness (Rockwell &amp; Burnell)</td>
<td>D69</td>
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<tr>
<td>Deflection Temperature (264 PSI)</td>
<td>116 - 151°F</td>
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<tr>
<td>Elongation</td>
<td>55%</td>
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*Specs accurate at 73°F

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