PROTOLABS
Manufacturing. Accelerated.

CPVC

CPVC, also known as Chlorinated Polyvinyl Chloride, provides excellent corrosion resistance at elevated temperatures making it ideal for self-supporting constructions where elevated temperatures are a concern.

Applications

Common uses of CPVC include fume hoods, ducts, fume scrubbers, acid etching machines, machine parts, acid tanks, and linings.

Key Product Benefits

- Heat Resistance
- Corrosion Resistance
- Industrial Smooth Finish

Properties

Property	Test Method	Value
Density	ASTM D792	1.47-1.51 g/cm3
Tensile Strength	ASTM D638	7,300-7,600 psi
Modulus of Elasticity	ASTM D638	390,000-400,000 psi
Flexural Strength	ASTM D790	11,000-12,700 psi
Flexural Modulus	ASTM D790	350,000-382,000 psi
Rockwell Hardness (R Scale)	ASTM D785	117-118
Shore Hardness (D Scale)	ASTM D2240	82-85
Water Absorption	ASTM D570	0.030-0.035%
Dielectric Strength	ASTM D149	1,500-3,175 V/mil
Volume Resistivity	ASTM D257	2.39-3.40 × 1015 ohm/cm
Thermal Conductivity	ASTM C177	0.64-0.95 BTU/HR/FT/°F/in
Flammability	UL 94	V-0