

PVC Industrial Pipe

Schedule 40 / 80 PVC for Chemical and Process Service

Product Overview

Schedule 40 and Schedule 80 PVC pipe for industrial chemical transport, wastewater handling, electroplating effluent, deionised water and process-water reticulation. ASTM D1785 and ASTM F441 (CPVC) dimensional schedules. Solvent-weld socket or threaded NPT joining.

Technical Specifications

Parameter	Specification
Material grade	PVC-U (Schedule 40 / Schedule 80) · CPVC (high temperature)
Diameter range	DN 15 – DN 300 mm (½ in. – 12 in.)
Pressure class	Schedule 40 up to 230 psi; Schedule 80 up to 400 psi (DN-dependent)
Temperature limit	PVC-U: 60 °C max · CPVC: 95 °C max
Chemical resistance	Excellent for acids, alkalis, salts; NOT for ketones/esters
Joining	Solvent-weld socket · Threaded NPT · Flanged (ASTM stub-end)
Standards	ASTM D1785 (Sch 40/80) · ASTM F441 (CPVC) · ISO 1452 · DIN 8061
Colour	Grey (PVC industrial) · Tan (CPVC)

Typical Applications

- Chemical industry transport (acids, alkalis, salts)
- Electroplating effluent collection
- Wastewater treatment plant process pipe
- Deionised / RO water distribution
- Industrial process water reticulation
- Laboratory effluent and drain lines

Standards & Certifications

ASTM D1785

ASTM F441 (CPVC)

ISO 1452

DIN 8061

ISO 9001

Why Primepoly

Real factory, not a trading company. Primepoly operates a fully-owned PE / PVC pipe and fitting factory in Zhengzhou, Henan — ISO 9001 quality plan, in-house QC lab, full hydrostatic test and material qualification on every production batch.

Documentation that clears consultant review on first submission. Every shipment carries the mill certificate, batch resin certificate, third-party inspection report (SGS / BV available) and the destination-specific compliance documents (WRAS / NSF 61 / SASO / PVOC / etc.).

Engineering support on every order. Our application engineers respond to technical queries within one working day. For distributor and project customers we send installer training to site for the first shipment.

Request a quotation

Send DN / SDR / length / destination port to sales@primepolypipes.com — engineering team responds within one working day with FOB or CIF pricing.