CPVC
PIPING SYSTEMS

Chemical Resistant

Thermal Resistant

Strong & Durable

Crack Resistant

Light Weight

Easy to Join

Low Maintenance

FDA Compliant

Dimensional Strength

CPVC (chlorinated poly (vinyl chloride) is a thermoplastic produced by chlorination of polyvinyl chloride rigid, which can with stand higher temperatures than PVC. CPVC is a widely used thermoplastic piping system, across diverse industries. It is rigid, versatile and suitable for both above ground, & below ground installations. It has excellent chemical resistance, harder inner surface with smoother finish, making it extremely suitable for usage in various industries. CPVC is permanently UV Stabilized and can withstand temperature extrems of O deg.C to 93 deg.C, available in Schedule 40 and schedule 80 configurations.

Technical Information

			PVC	CPVC
Specific gravity (p)	ASTM D792	g/cm3	1.36	1.52
Max. Permissible service temp	-	oC	-15 to 60	-15 to 85
Tensile strength at yield (σS)	ASTM D638	Mpa	52	57
Elongation at break (εR)	ASTM D635	%	≥10	≥15
Impact strength (an)	ASTM D256	kJ/m2	No Break	No Break
Flexural strength (σ 3.5%)	ASTM D790	Mpa	90	90
Modulus of elasticity (Et) @ 73OF	ASTM D635	Mpa	3000	2700
Coef. of linear therm. expansion (α)	ASTM D635	K-1 X 10-4	0.8	0.6
Volume resistivity	VDE 0303		≥1015	≥1015

Applications

DM Water Plants | Chemical Industries | Acids | Caustic & Chlor-alkali | Pulp & Paper | Electroplating industries
Offshore Oil Exploration

CPVC

Pipes

Range : ½" to 12"
Standards : ASTM F441
Color : Dark Grey

Fittings

Range : ½" to 12"
Standards : ASTM F439
Color : Dark Grey

Specials

Range : ½" to 12"
Standards : DIN Pipes & Fittings
Color : Dark Grey