

PT. Samiplast Joyo Mandiri



**We
serve
better**

COMPANY PROFILE

— 2023



Jalan Sumatera No 132 Jombang Rawalele, Kec. Ciputat Kota
Tangerang Selatan 15414, Banten Province – Indonesia

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About us

The company was established in the year 2019, PT Samiplast Joyo Mandiri offers a variety of comprehensive thermoplastic materials, products and accessories for a broad spectrum of markets and demanding applications. Supply high performance plastic piping systems that serve the industrial sector, and water utilities.

We offer complete piping solutions consisting of pipes, fittings, valves and connection accessories in various standards for various applications. Our ingredients involve Sch 40/80 PVCU, CPVC Sch40 / 80, PP-H, PVDF , PE Electro Fusion / Welded Fittings for Water & Gas Applications.

Appointed by international manufacturing companies from the US, Europe & Asia, as reliable and quality suppliers who provide piping systems as a sustainable solution. Supported by people who have more than 16 years of experiences in the world of main piping technology in polymare pipes, we are very confident that we are all that you need

Vision & Mission

Our Vision

- Solution Provider in Water Treatment & Industrial Equipment
- #WeServeBetter

Our Missions

Providing & Supplying complete services, reliable engineering in the sector; water treatment, chemical industry & water distribution

01

Organization Company

PT. Samiplast Joyo Mandiri



Dian Suherdiana
Managing Director

**Vidya F.
Ferdiansyah**

Business Development Manager

Heru Sutijono

Finance Manager

Dimas Tri Anggoro

Sales Manager

M. Rusli Amin

Logistic Manager

Sulton Abdallah

Sales Supervisor

**Astri Wahyu P.
Ferdiansyah**

Social Media Promotion

Adinda Khadijatus

Finance Staff

Aldi Fermana

Sales Support

Ahyar

Logistic Support

Main Products

Pipes

UPVC (un-plasticized polyvinly chloride)

O4



uPVC (un-plasticized polyvinyl chloride) is a thermoplastic material derived from common salt and fossil fuels. The pipe material has the longest track record of all plastic materials. uPVC pipes are certified safe for drinking water per NSF Standard 61 and used extensively for water distribution and further pressure and non-pressure applications in the field of sewers, soil and waste, gas (low pressure).

The material's contribution to public health, hygiene and well-being has therefore been significant. Polyvinyl Chloride or uPVC (un-plasticized polyvinyl chloride) has a high chemical resistance, high operating pressures, high temperature up to 140 F(60 C) and max working pressure: 450 psi (3,100 kPa).

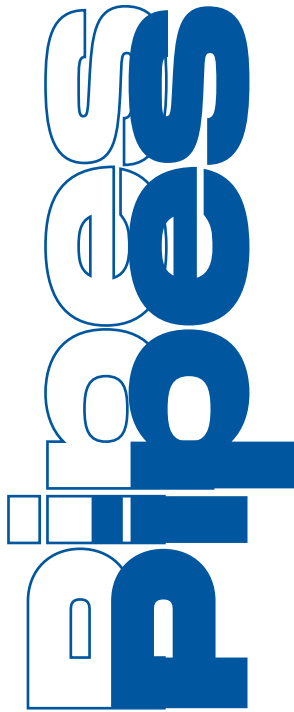
Due to its long-term strength characteristics, high stiffness and cost effectiveness, uPVC systems account for a large proportion of plastic piping installations.

uPVC SCH80

NOMINAL SIZE	OUTSIDE DIAMETER		PVC SCHEDULE 80			
			WALL THICKNESS		WORKING PRESSURE	WEIGHT
			IN	MM	IN	MM
1/2"	0,84	21,34	0,147	3,73	850	0,21
3/4"	1,05	26,67	0,154	3,91	690	0,28
1"	1,32	33,40	0,179	4,55	630	0,41
1 1/4"	1,66	42,16	0,191	4,85	520	0,57
1 1/2"	1,90	48,26	0,200	5,08	470	0,69
2"	2,38	60,33	0,218	5,54	400	0,96
2 1/2"	2,88	73,03	0,276	7,01	420	1,46
3"	3,50	88,90	0,300	7,62	370	1,95
4"	4,50	114,30	0,337	8,56	320	2,84
5"	5,56	141,30	0,375	9,53	290	3,95
6"	6,63	168,28	0,432	10,97	280	5,43
8"	8,63	219,08	0,500	12,70	250	8,25
10"	10,75	273,05	0,593	15,06	230	12,24
12"	12,75	323,85	0,687	17,45	230	16,83
14"	14,00	355,60	0,750	19,05	220	19,96
16"	16,00	406,40	0,843	21,41	220	26,55
18"	18,00	457,20	0,937	23,80	220	33,54
20"	20,00	508,00	1,031	26,19	220	41,05
24"	24,00	609,60	1,218	30,94	210	58,23

Derating Factor

PVC	
TEMP(C)	FACTOR
73	1,00
80	0,88
90	0,75
100	0,62
110	0,51
120	0,40
130	0,31
140	0,22

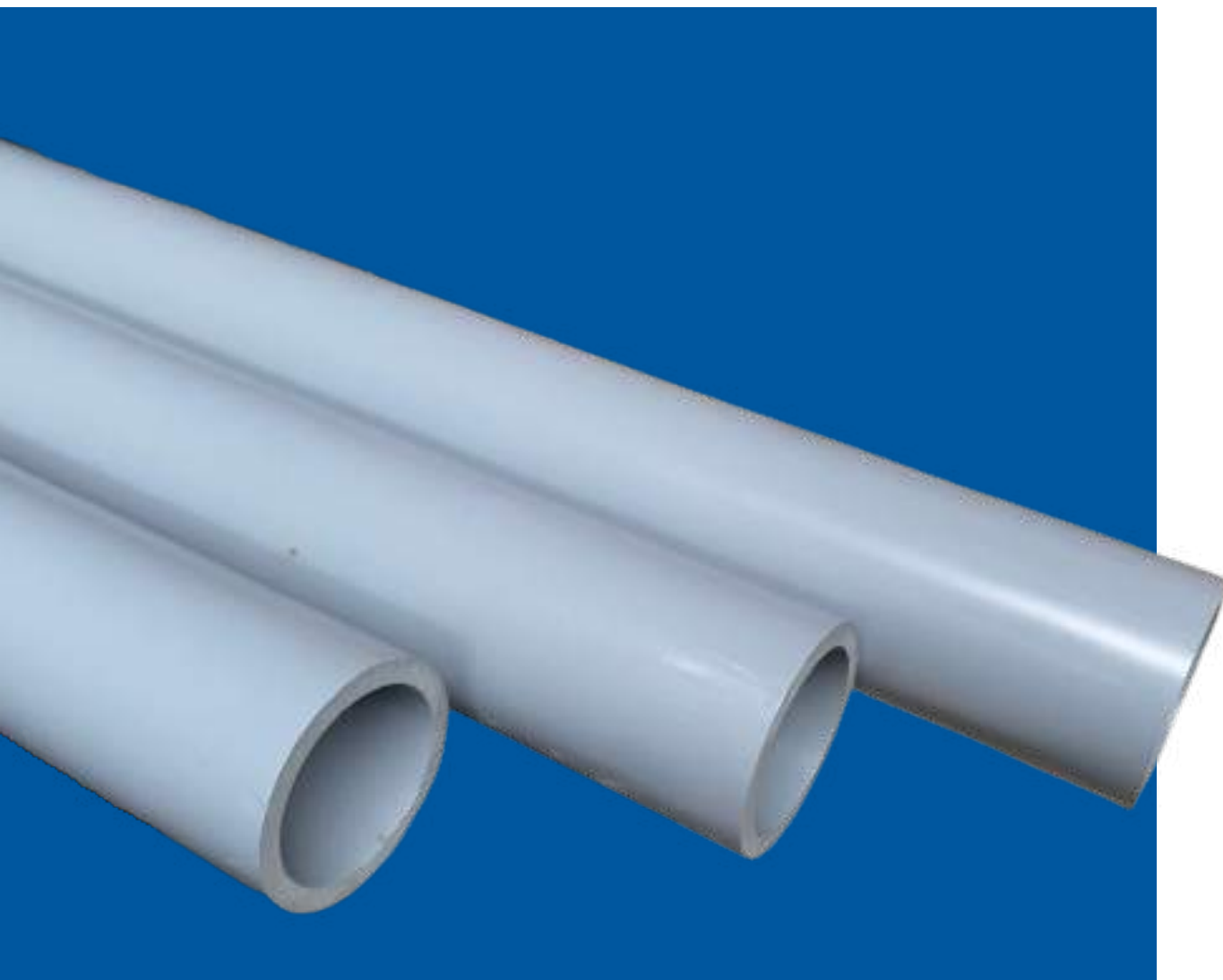


Main Products

Pipes

CPVC (Chlorinated Polyvinyl Chloride)

05



CPVC is a polymeric solid plastic and differs significantly from liquid solutions in how it absorbs and releases heat, behaves on cooling and heating, undergoes phase changes, and responds to pressure and chemical influences.

Products made from CPVC such as pipe have a recommended maximum operating temperature of 200°F. CPVC operational temperatures can satisfy a range from 200°F to 230°F, given proper conditions of pressure and chemical suitability. These conditional extremes are often reserved, however, for unique situations that have been professionally engineered and receive stringent supervision.

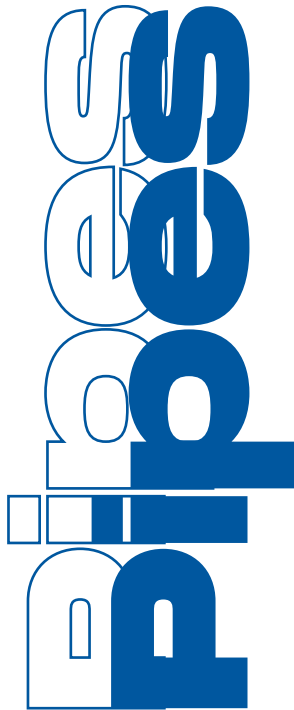
Common industries that utilize CPVC include commercial plumbing, chemical processing, chlor alkali, mineral mining and development, electrical power production, and water, wastewater treatment.

CPVC SCH80

NOMINAL SIZE	OUTSIDE DIAMETER		CPVC SCHEDULE 80			
			WALL THICKNESS		WORKING PRESSURE	WEIGHT
	IN	MM	IN	MM	PSI @180F	LB/ FT
1/2"	0,84	21,34	0,147	3,73	213	0,24
3/4"	1,05	26,67	0,154	3,91	173	0,32
1"	1,32	33,40	0,179	4,55	158	0,47
1 1/4"	1,66	42,16	0,191	4,85	130	0,65
1 1/2"	1,90	48,26	0,200	5,08	118	0,79
2"	2,38	60,33	0,218	5,54	100	1,10
2 1/2"	2,88	73,03	0,276	7,01	105	1,67
3"	3,50	88,90	0,300	7,62	93	2,24
4"	4,50	114,30	0,337	8,56	80	3,28
6"	6,63	168,28	0,432	10,97	70	6,26
8"	8,63	219,08	0,500	12,70	63	9,51
10"	10,75	273,05	0,593	15,06	58	14,10
12"	12,75	323,85	0,687	17,45	58	19,39
14"	14,00	355,60	0,750	19,05	55	23,26
16"	16,00	406,40	0,843	21,41	55	29,89
18"	18,00	457,20	0,937	23,80	55	37,42
20"	20,00	508,00	1,031	26,19	55	45,88
24"	24,00	609,60	1,218	30,94	53	64,96

Derating Factor

CPVC	
TEMP(C)	FACTOR
73	1,00
80	1,00
90	0,91
100	0,82
110	0,72
120	0,65
130	0,57
140	0,50
150	0,42
160	0,40
170	0,29
180	0,25
200	0,20



PPH

PPH PIPE / FITTING

OS

Properties	Test standard	Test method/ Test specimen	Unit
Mechanical properties			
Density	ISO 1183	Procedure C	g/cm ³
Melt mass-flow rate (Melt Index)	ISO 1133	MFR 190/5	Group
Tensile test	DIN EN ISO 527	Type 1B	
Yield stress			MPa
Elongation at yield			%
Elongation at break			%
Tensile modulus of elasticity			MPa
Impact bending test	DIN EN ISO 179		
Impact strength		80x10x4 mm	kJ/m ²
Notched Impact strength		V-notch	kJ/m ²
Surface hardness			
Ball indentation hardness	DIN EN ISO 2039-1		MPa
Shore hardness	DIN EN ISO 868	Procedure D	-
Thermal properties			
Crystalline melting range	DIN 53736	DSC	°C
Mean coefficient of linear thermal expansion	DIN 53752	Procedure A	K ⁻¹
Thermal conductivity	DIN 52612	PIC. 500x500x20 mm	W/m · K
Temperature range			°C
Electrical properties			
Dielectric strength	VDE 0303-21		kV/mm
Volume resistivity	DIN IEC 93		Ohm · cm
Surface resistivity	DIN IEC 167		Ohm
Tracking resistance	DIN IEC 112	Procedure KC	Grade



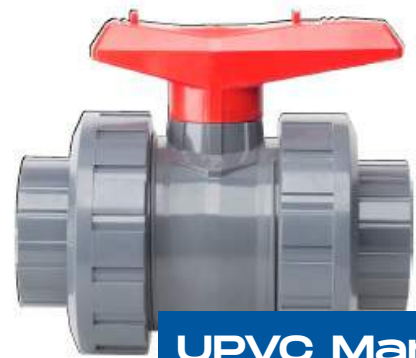
Main Products

Valves



Main Products

Valves



UPVC Manual Ball Valves



UPVC Automation Ball Valves



Manual Butterfly Valves



UPVC Manual Butterfly Valves



UPVC Manual Diaphragm Valves



PP-H Manual Pneumatic Valves



PP-H Butterfly Valves Handheld



PVDF Manual & Automation Ball Valves



UPVC Ball Check Valves



Project References

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Contact us for more information:

PT Samiplast Joyo Mandiri
UPVC | CPVC | PPH | PVDF | Pipes, Fittings & Valves

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