



It's a Polymer Engineering!



CEO's Message

Building on our core principles of Operational Excellence, Quality Products, and Superior Customer Service, Alfa Al-Arabia has thrived for decades. We remain committed to our customers, valuing the relationships built on honesty and integrity. Our employees are the cornerstone of our success, and as we look to the future, we will continue to be guided by these values as we explore new frontiers and expand our horizons.

Chairman's Message



At Alfa Al-Arabia, our success is built on three core principles: Operational Excellence, Quality Products, and Superior Customer Service. These pillars have guided us for decades, enabling us to adapt to market changes and drive continuous improvement.

We prioritize our customers, fostering relationships built on honesty, integrity, and an uncompromising commitment to quality. We also deeply value our employees, who are the foundation of our reputation and future growth.

As we look ahead, we remain dedicated to exploring new frontiers and expanding our horizons, always guided by our core values.

Muhammad Aslam

Chairman

Vendor Code # 10116102

ALFA Al-Arabia is one of the best PVC and CPVC pipe manufacturing companies in the Kingdom of Saudi Arabia. It manufactures a wide range of PVC Pipes according to market needs and Saudi Standards. Alfa consistently conducts extensive research and development to create new varieties in this field, which makes Alfa a market leader in this area. Alfa initiates market-oriented techniques to meet the increasing demands of civil and industrial sectors by producing high-quality PVC, UPVC, and CPVC pipes to fulfill market requirements. Alfa pipes are widely used in civil and industrial process lines, as well as water and gas reticulation systems. They are also used for irrigation installation together with an electric supply conduit and flexible corrugated pipes.

About Us

We specialize in Techno-commercial Engineering and offer a stunning collection of PVC and CPVC pipes. Our services are tailored to meet the specific needs of your project and provide a positive start to your day.

- Proven research capability and ability to provide products to suit customer application needs.
- Pipes & fittings at very competitive prices.
- Technical service and installation backup.
- Wide range of pipes & fittings in uPVC, CPVC
- Prompt deliveries.
- International standards of quality and reliability.
- Operational excellence - precision manufacturing using state-of-the-art machinery and professional operators
- 24-hour customer service.
- Supplier of choice for innovative and quality piping systems.
- One-stop solution provider for piping systems in the building, infrastructure, irrigation, and landscaping industries.
- Alfa Al Arabia is an ISO 9001, ISO 45001, and ISO 14001 accredited company, with Saudi Aramco Vendor Approval, and is in the process of obtaining **SASO QMark and Saudi-Made** certification.

Why Us?

ALFA AL-ARABIA PIPES MANUFACTURING COMPANY



OUR MATERIAL

Polyvinyl Chloride (PVC)

It is a synthetic thermoplastic material made by polymerizing vinyl chloride. It is made softer and more flexible by the addition of plasticizers. If no plasticizers are added, it is known as uPVC (unplasticized polyvinyl chloride) or rigid PVC. This material is used to produce pipes for plumbing and conduit fixtures.



Unplasticized Polyvinyl Chloride (UPVC)

It belongs to the category of vinyl resins, where each monomer unit in its molecular structure contains one chlorine atom. Resistant to acids & alkali, but sensitive to heat, with heat resistance up to 60 °C. This material is used to produce pipes for sewerage & drainage applications.

Chlorinated Polyvinyl Chloride (CPVC)

It is a thermoplastic produced by a chlorination reaction with homopolymer PVC resin, which increases the chlorine content in PVC to a maximum of 70%. Chemical resistance is similar to heat resistance up to 105 °C. C, which is significantly more flexible and can withstand higher temperatures than standard PVC. This material is used to produce hot and cold water pipes, potable water pipes, and various pipe applications.

CPVC RESIN

TECHNICAL DATA SHEET

SP-5101G

SP-5101G is a SEKISUI CPVC COMPOUND which is manufactured by INTERGULF LIMITED for Pipe applications

Powder PROPERTIES	UNIT	SPECIFICATION
Appearance	-	Equal to standard goods (Gray Dry blend)
Different Matter	-	No visible contamination (Dust, Metal, etc.)
Static thermal stability (Geer Oven Test 200°C)	-	Equal to standard goods

PHYSICAL AND THERMAL AND MECHANICAL PROPERTIES	TEST METHOD	UNIT	SPECIFICATION	TYPICAL VALUES
Heat Deflection Temperature (HDT) annealed at 100°C ,24Hr	ASTM D648	°C	> 100	109
Impact Strength (IZOD)	ASTM D256	J / m	> 80.1	170
Tensile Strength	ASTM D638	MPa	> 48.3	55
Tensile Modulus of Elasticity	ASTM D638	MPa	> 2482	2650

* The above results are measured values, but not Guaranteed

*Guarantee Period of Quality Assurance: INTERGULF shall guarantee the quality of SP 5101G for a period of 6 months after the date of delivery, provided that SP 5101G are handled with covered storage at ambient temperatures and good practice

سابك
sabic

SABIC® SPVC 67S

SUSPENSION POLYVINYL CHLORIDE

DESCRIPTION

SABIC® PVC 67S is a free flowing vinyl chloride homopolymer resin having medium molecular weight. It is manufactured by suspension polymerization.

TYPICAL APPLICATIONS

67S is designed to give an easy processing product for extrusion rigid applications since it has moderate melt viscosity. The main applications are: Rigid pipes (pressure and non-pressure), Corrugated tubes and conduits, Rigid profiles

TYPICAL PROPERTY VALUES

Revision 20210609

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
K-Value	67	-	ASTM D1243
Apparent Bulk Density	570	kg/m ³	ASTM D1895
Particle Size distribution ⁽¹⁾			
Retained on mesh 60 (250 μ)	≤15	%	SABIC method
Passing through mesh 200 (74 μ)	≥4	%	SABIC method
Volatiles Content			
-	≤0.3	%	ASTM D3030

(1) Typical values; not to be construed as specification limits.

CHARACTERISTICS

SABIC® PVC 67S has properties that makes it suitable for rigid PVC processing with high production rates, easy handling and conveying, very low dust-level, high purity, high bulk density and narrow particle size distribution. SABIC® PVC 67S is designed to give an easy-processing product for rigid extruded applications. It can be used with a wide range of heat stabilizers and fillers.

STORAGE AND HANDLING

PVC is delivered in 25 kg bags. PVC resin should be stored in dry area and prevented from direct exposure to sunlight and storage temperature does not exceed 50°C. SABIC would not give warranty to bad storage conditions which may lead to quality deterioration such as color change and inadequate product performance. It is advisable to process PVC resin within 6 months after delivery.

DISCLAIMER

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CHEMISTRY THAT MATTERS™





International
Electrotechnical
Commission



INTERNATIONAL STANDARDS SPECIFICATIONS

GLOBALLY STANDARD ORGANIZATION
FOCUSED ON ELECTRICAL & ELECTRONICS
ENGINEERING & GENERAL ORGANIZATION
ACCREDITATION



DIN STANDARDS (DIN 8061 - 62) – Technical Specifications

S.NO	NOMINAL SIZE	MEAN OUTSIDE DIAMETRE		SERIES 1		SERIES 2		SERIES 3		SERIES 4		SERIES 5	
				VENTILATION		(4 BAR) / PN 4		(6 BAR) / PN 6		(10 BAR) / PN 10		(16 BAR) / PN 16	
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)
1	20	20	20.2									1.5	1.9
2	25	25	25.2									1.9	2.3
3	32	32	32.2							1.6	2	2.4	2.9
4	40	40	40.2							1.9	2.3	3	3.5
5	50	50	50.2					1.5	1.9	2.4	2.9	3.7	4.3
6	63	63	63					1.9	2.3	3	3.5	4.7	5.4
7	75	75	75.3			1.5	1.9	2.2	2.7	3.6	4.2	5.6	6.4
8	90	90	90.3			1.8	2.2	2.7	3.2	4.3	5	6.7	7.6
9	110	110	110.4	1.8	2.2	2.2	2.7	3.2	3.8	5.3	6.1	8.1	9.2
10	160	160	160.5	1.8	2.2	3.2	3.8	4.7	5.4	7.7	8.7	11.8	13.2
11	200	200	200.6	1.8	2.2	3.9	4.5	5.9	6.7	9.6	10.8	14.7	16.4
12	225	225	225.7	1.8	2.2	4.4	5.1	6.6	7.5	10.8	12.1	16.6	18.5
13	250	250	250.8	2	2.4	4.9	5.6	7.3	8.3	11.9	13.3	18.4	20.5
14	280	280	280.9	2.2	2.7	5.5	6.3	8.2	9.3	13.4	15	20.6	22.9
15	315	315	316	2.5	3	6.2	7.1	9.2	10.4	15	16.7	23.2	25.8
16	355	356.1	356.1	2.8	3.3	7	7.9	10.4	11.7	16.9	18.8	26.1	29
17	400	401.2	401.2	3.2	3.8	7.9	8.9	11.7	13.1	19.1	21.3	29.4	32.6
18	450	451.4	451.4	3.6	4.2	8.8	9.9	13.2	14.8	21.5	23.9		

Standard Length:	5.8 & 6.0 mt
Color for Series 2 to 5	Dark Grey
Color for Series 1	Grey
Socket Type:	Solvent End or Ring Seal Rubber Socket



DIN STANDARDS (DIN 19531 & 19534) – Technical Specifications



DIN 19531

Standard length:	4.0 mt
Color:	Terrain grey
Socket type:	Solvent end



DIN 19534

Standard length:	5.8 mt
Color:	Golden brown
Socket type:	Solvent end & rubber seal socket

S.NO	SIZE (MM)	MEAN OUTSIDE DIAMETER		WALL THICKNESS APPLICATION AREA DISCHARGE SYSTEM FOR INSIDE BUILDING	
		MINIMUM (MM)	MAXIMUM (MM)	MINIMUM (MM)	MAXIMUM (MM)
		1	40	40	40.2
2	50	50	50.2	1.8	2.2
3	75	75	75.3	1.8	2.2
4	110	110	110.4	2.2	2.7
5	125	125	125.4	2.5	3
6	160	160	160.6	3.2	3.8

S.NO	SIZE (MM)	MEAN OUTSIDE DIAMETER		WALL THICKNESS APPLICATION AREA	
		MINIMUM (MM)	MAXIMUM (MM)	MINIMUM (MM)	MAXIMUM (MM)
1	100	110	110.3	3	3.5
2	125	125	125.3	3	3.5
3	150	160	160.4	3.6	4.2
4	200	200	200.4	4.5	5.2
5	250	250	250.5	6.1	7
6	300	315	315.6	7.7	8.7
7	400	400	400.7	9.8	11
8	500	500	500.9	12.2	13.7

ASTM D1785 STANDARD (SCHD 80 AND SCHD 40) – Technical Specifications

S.NO	NOMINAL SIZE (inch)	MEAN OUTSIDE DIAMETRE		WALL THICKNESS			WALL THICKNESS		
				SCHD 40		SCHD 80			
		MIN (mm)	MAX (mm)	MIN (mm)	MAX (mm)	PSI	MIN (mm)	MAX (mm)	PSI
1	1/2	21.24	21.44	2.77	3.28	600	3.73	4.24	850
2	3/4	26.57	26.77	2.87	3.38	480	3.91	4.42	690
3	1	33.27	33.53	3.38	3.89	450	4.55	5.08	630
4	1 1/4	42.03	42.29	3.56	4.07	370	4.85	5.43	520
5	1 1/2	48.11	48.41	3.68	4.19	330	5.08	5.69	470
6	2	60.17	60.47	3.91	4.42	280	5.54	6.2	400
7	2 1/2	72.84	73.2	5.16	5.77	300	7.01	7.85	420
8	3	88.7	89.1	5.49	6.15	260	7.62	8.53	370
9	4	114.07	114.53	6.02	6.73	220	8.56	9.58	320
10	6	168	168.56	7.11	7.97	180	10.97	12.29	280
11	8	218.7	219.46	8.18	9.17	160	12.7	14.22	250



Schedule 40



Schedule 80

Standard length:	5.8 and 6 mt
Color:	White
Socket type:	Solvent end

All pipes will be produced as PVC 1120



ASTM D2241 Standard Pipes – Technical Specifications

S.NO	NOMINAL SIZE (INCH)	OUTSIDE DIAMETER (MM)		STANDARD DIMENSION RATIO (SDR)											
				SDR 41		SDR 32.5		SDR 26		SDR 21		SDR 17		SDR 13.5	
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
1	1/2	21.24	21.44	-	-	-	-	-	-	-	-	-	-	1.57	2.08
2	3/4	26.57	26.77	-	-	-	-	-	-	1.52	2.03	1.57	2.08	1.98	2.49
3	1	33.27	35.53	-	-	-	-	1.52	2.03	1.6	2.11	1.96	2.46	2.46	2.97
4	1 1/4	42.03	42.29	-	-	1.52	2.03	1.63	2.13	2.01	2.52	2.49	3	3.12	3.63
5	1 1/2	48.11	48.41	-	-	1.52	2.03	1.85	2.36	2.29	2.8	2.84	3.35	3.58	4.09
6	2	60.17	60.47	-	-	1.85	2.36	2.31	2.82	2.87	3.38	3.56	4.06	4.47	4.98
7	3	88.70	89.10	2.16	2.67	2.74	3.25	3.43	3.94	4.24	4.75	5.23	5.87	6.58	7.37
8	4	114.07	114.53	2.8	3.3	3.51	4.01	4.39	4.9	5.44	6.1	6.73	7.54	8.46	9.47
9	6	168.00	168.56	4.11	4.62	5.18	5.79	6.48	7.26	8.03	9	9.91	11.1	12.47	13.97
10	8	218.70	219.46	5.33	5.97	6.73	7.54	8.43	9.45	10.41	11.66	12.9	14.45		

PRESSURE RATING AT 23 °C						
Pipe SDR	41	32.5	26	21	17	13.5
Rating (PSI)	100	125	160	200	250	315

Standard length:	5.8 and 6 mt
Color:	White
Socket type:	Solvent end

All pipes will be produced as PVC 1120



BS STANDARD (BS 5255 and 4514) – Drain, Waste, Soil & Ventilation Pipes



Standard length:	5.8 and 6 mt
Color:	Grey and White
Socket type:	Solvent end

All pipes will be produced as PVC 1120

BS 5255

S.NO	NOMINAL SIZE (INCH)	MEAN OUTSIDE DIAMETRE		WALL THICKNESS THERMO PLASTIC WASTE PIPE		
		MIN (MM)	MAX (MM)	SCHD 40		PN
				MIN (MM)	MAX (MM)	
1	1/2	36.15	36.45	1.8	2.2	32
2	3/4	42.75	43.05	1.9	2.3	40
3	1	55.75	56.05	2	2.4	50

BS 4514

S.NO	NOMINAL SIZE (INCH)	MEAN OUTSIDE DIAMETRE		WALL THICKNESS SOIL & VENTILATING PIPE		
		MIN (MM)	MAX (MM)	SCHD 40		PN
				MIN (MM)	MAX (MM)	
1	3	82.4	82.8	3.2	3.8	82
2	4	110	110.4	3.2	3.8	110
3	6	160	160.6	3.2	3.8	160

Manufactured to: BS 4514 - Soil Pipe
: BS 5255 - Waste Pipe
Standard Length: 4, 5.8 and 6 meters
Color: Grey
Socket Type: Solvent Weld or Plain End
Note:
1. Nominal size pipes of 4" and 6" soil are metric (110 mm and 160 mm respectively) and fully compatible with metric plumbing
2. Non-standard lengths and colors can be manufactured to meet customer requirements.

BS STANDARD (BS 1329) – Technical Specifications



Note: This product can be manufactured upon the customer's request from UPVC or MUPVC. Standard lengths: 4, 5.8, and 6 meters
Color: Grey
Socket Type: Solvent Weld or Plain End

Note:
B - Inside the building
BD - Inside the building and buried within the building structure
Non-standard lengths and colors can be manufactured to meet customer requirements.

S.NO	NOMINAL SIZE OD/DN (INCH)	NOMINAL OUTSIDE DIAMETER (MM)	WALL THICKNESS APPLICATION AREA	
			BD	
			MIN (MM)	MAX (MM)
1	1 1/4	32	3	3.5
2	1 1/2	40	3	3.5
3	2	50	3	3.5

S.NO	NOMINAL SIZE OD/DN (MM)	NOMINAL OUTSIDE DIAMETRE (MM)	WALL THICKNESS APPLICATION AREA			
			B		BD	
			MIN (MM)	MAX (MM)	MIN (MM)	MAX (MM)
1	32	32	3	3.5		
2	40	40	3	3.5		
3	50	50	3	3.5		
4	63	63	3	3.5		
5	75	75	3	3.5	3	3.5
6	80	80	3	3.5	3	3.5
7	82	82	3	3.5	3	3.5
8	90	90	3	3.5	3	3.5
9	100	100	3	3.5	3	3.5
10	110	110	3.2	3.8	3.2	3.8
11	125	125	3.2	3.8	3.2	3.8
12	140	140	3.2	3.8	3.5	4.1
13	160	160	3.2	3.8	4	4.6
14	180	180	3.6	4.2	4.4	5
15	200	200	3.9	4.5	4.9	5.6
16	250	250	4.9	5.6	6.2	7.1
17	315	315	6.2	7.1	7.7	8.7

Standard length:	5.8 mt
Color:	Light Grey
Socket type:	Solvent end

BS STANDARD (BS 3505 and 3506) – Technical Specifications

S.NO	NOMINAL SIZE	MEAN OUTSIDE DIAMETRE		WALL THICKNESS (CLASS B)		WALL THICKNESS (CLASS C)		WALL THICKNESS (CLASS D)		WALL THICKNESS (CLASS E)		WALL THICKNESS (CLASS O)		WALL THICKNESS (CLASS 6)			WALL THICKNESS (CLASS 7)		
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	PRESSURE
		(INCH)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	BAR	(MM)	(MM)
1	1/2	21.2	21.5							1.7	2.1			2.8	3.3	28	3.7	4.3	40
2	3/4	26.6	26.9							1.9	2.5			2.9	3.4	22	3.9	4.5	32
3	1	33.4	33.7							2.2	2.7			3.4	4	24	4.5	5.2	32
4	1 1/4	42.1	42.4					22	2.7	2.7	3.2			3.6	4.2	20	4.8	5.5	28
5	1 1/2	48.1	48.4					2.5	3	3.1	3.7	1.8	2.2	3.7	4.3	18	5.1	5.9	25
6	2	60.2	60.5			2.5	3	3.1	3.7	3.9	4.5	1.8	2.2				5.5	6.3	22
7	2 1/2	75	75.3			3	3.5	3.9	4.5	4.8	5.5	1.8	2.2						
8	3	88.7	89.1	2.9	3.4	3.5	4.1	4.6	5.3	5.7	6.6	1.8	2.2						
9	4	114.1	114.5	3.4	4	4.5	5.2	6	6.9	7.3	8.4	2.3	2.8						
10	5	140	140.4	3.8	4.4	5.5	6.4	7.3	8.4	9	10.4	2.6	3.1						
11	6	168	168.5	4.5	5.2	6.6	7.6	8.8	10.2	10.8	12.5	3.1	3.7						
12	8	218.8	219.4	5.3	6.1	7.8	9	10.3	11.9	12.6	14.5	3.1	3.7						
13	10	272.6	273.4	6.6	7.6	9.7	11.2	12.8	14.8	15.7	18.1	3.1	3.7						
14	12	323.4	324.3	7.8	9	11.5	13.3	15.2	17.5	18.7	21.6	3.1	3.7						
15	14	355	356	8.5	9.8	12.6	14.5	16.7	19.2	20.5	23.6	3.6	4.2						
16	16	405.9	406.9	9.7	11.2	14.5	16.7	19	21.9	23.4	27	4.1	4.8						
17	18	456.7	457.7	11	12.6	16.3	18.8	21.4	24.6			4.6	5.3						
18	20	507.5	508.5	12.2	14.1	18.1	20.9					5.1	5.9						

Standard BS 3505	Clas C, D and E	Color	Dark Grey
Standard BS 3506	Clas B, O and '6' & '7	Color	White
Socket Length	5.80 and 6.0 mt		
Socket Type	Solvent End		



Electrical Conduit Pipes (BS 6099) – Technical Specifications



DUCT

S.NO	SIZE (INCH)	MEAN OUTSIDE DIAMETRE		WALL THICKNESS APPLICATION AREA	
		(MM)	(MM)	MIN	MAX
				(MM)	(MM)
1	2	55.7	56	1.8	2.2
2	3	82.3	82.7	2	2.4
3	4	110	110.4	2.2	2.7
4	4	110	110.4	2	2.5
5	6	160	160.6	3	3.5
6	6	160	160.6	2.5	3
7	8	200	200.6	4.5	5.2
8	10	250	250.6	6.1	6.9
8	12	315	315.8	7.7	8.7

Standard length:	3.0, 5.8 and 6.0 mt
Color:	White and Black
Socket type:	Solvent End

BS EN 6099

S.NO	SIZE (MM)	WALL THICKNESS		
		LIGHT	MEDIUM	HEAVY
		(MM)	(MM)	(MM)
1	20	1.3	1.55	2.1
2	25	1.45	1.8	2.2
3	32	1.7	2.1	2.7
4	40	2.1	2.3	2.8
5	50	2.45	2.85	3.4
6	63	3	-	-



Standard length:	2.9mt
Color:	White and Black
Socket type:	Solvent end



NEMA STANDARD (Conduit Tubes) – Technical Specifications



S.NO	NOMINAL SIZE (INCH)	OUTSIDE DIAMETER (MM)		WALL THICKNESS (MM)					
		MIN (MM)	MAX (MM)	EPT		EPC 40		EPC 80	
				MIN (MM)	MAX (MM)	MIN (MM)	MAX (MM)	MIN (MM)	MAX (MM)
1	1/2	21.24	21.44	1.52	2.03	2.77	3.28	3.73	4.24
2	3/4	26.57	26.77	1.52	2.03	2.87	3.38	3.91	4.42
3	1	33.27	33.53	1.52	2.03	3.38	3.89	4.55	5.08
4	1 1/4	42.03	42.29	1.78	2.29	3.56	4.06	4.85	5.43
5	1 1/2	48.11	48.41	2.03	2.54	3.68	4.19	5.08	5.69
6	2	60.17	60.47	2.54	3.05	3.91	4.42	5.54	6.2
7	2 1/2	72.84	73.2	2.79	3.3	5.16	5.77	7.01	7.85
8	3	88.7	89.1	3.18	3.68	5.49	6.15	7.62	8.53
9	4	114.07	114.53	3.81	4.32	6.02	6.73	8.56	9.58
10	6	168	168.56			7.11	7.98	10.97	12.29

NEMA TC-2, NEMA TC-6 and NEMA TC-8

Standard Length:	5.8 & 6 mt
Color	Grey
Joint Type:	Solvent End

NOMINAL SIZE		MEAN OUTSIDE DIAMETRE (MM)		WALL THICKNESS APPLICATION AREA				
INCH	METRIC DESIGNATOR	(MM)	(MM)	EB-20	EB-35	DB-60	DB-100	DB-120
1	27	33.68	33.94					1.52
1 1/2	40	48.11	48.41			1.52		1.65
2	53	60.18	60.48		1.52	1.65		2.11
3	78	88.7	89.1	1.7	2.08	2.54	3.07	3.23
4	103	114.07	114.53	2.26	2.77	3.33	3.94	4.22
6	155	168	168.56	3.43	4.17	4.98	5.82	6.2

ALFA CPVC PIPE

FOR

HOT & **COLD**

W A T E R



DIN STANDARDS (DIN 8079 - 80) – Technical Specifications

S.NO	NOMINAL SIZE (MM)	OUTSIDE DIAMETER (MM)		WALL THICKNESS (MM) AND PRESSURE RATING (BAR)							
				SDR 21 10 Bar / PN 10		SDR 13.6 16 Bar / PN 16		SDR 11 20 Bar / PN 20		SDR 9 25 Bar / PN 25	
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
1	20	20	20.2	-	-	1.5	1.9	1.9	2.3	2.3	2.8
2	25	25	25.2	1.5	1.9	1.9	2.3	2.3	2.8	2.8	3.3
3	32	32	32.2	1.5	1.9	2.4	2.9	2.9	3.4	3.6	4.2
4	40	40	40.2	1.9	2.3	3.0	3.5	3.7	4.3	4.5	5.2
5	50	50	50.2	2.4	2.9	3.7	4.3	4.6	5.3	5.6	6.4
6	63	63	63.2	3.0	3.5	4.7	5.4	5.8	6.6	7.1	8.1



CPVC Pipe for Elevated Temperature

Standard Length:	4 mt
Color	Cream
Joint Type:	N/A

ASTM STANDARD (ASTM F441) – Technical Specifications

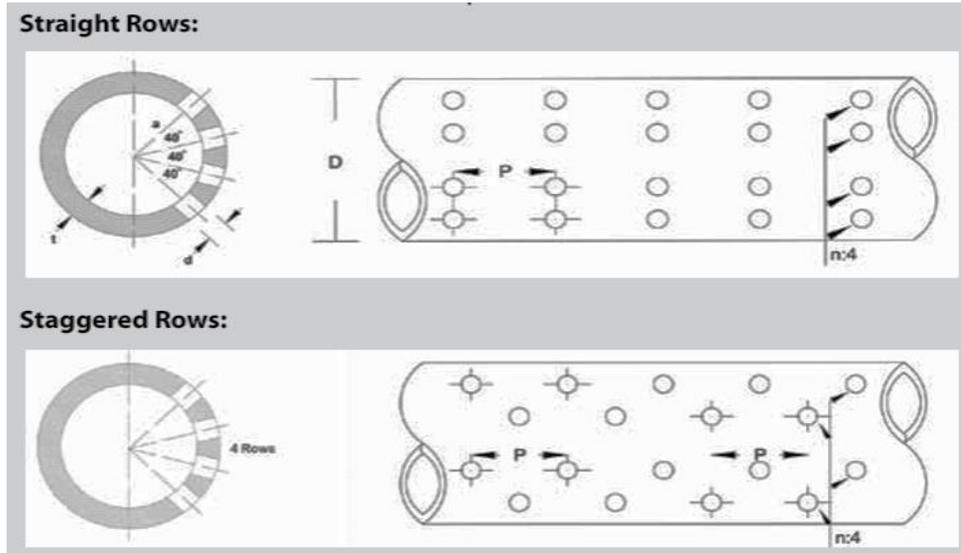
S.NO	NOMINAL SIZE (MM)	OUTSIDE DIAMETER (MM)		WALL THICKNESS (MM) AND PRESSURE RATING (PSI)							
				SCHEDULE 40				SCHEDULE 80			
		MIN	MAX	MIN	MAX	PRESSURE RATING (PSI)		MIN	MAX	PRESSURE RATING (PSI)	
						@23°C	@82°C			@23°C	@82°C
1	1/2	21.20	21.40	2.77	3.28	600	150	3.73	4.24	850	210
2	3/4	26.60	26.70	2.87	3.28	480	150	3.91	4.42	690	170
3	1	33.27	33.53	3.38	3.89	450	110	4.55	5.08	630	155
4	1 ¼	42.07	42.33	3.56	4.07	370	90	4.85	5.43	520	130
5	1 ½	48.15	48.45	3.68	4.19	330	80	5.08	5.69	470	115
6	2	60.15	60.45	3.91	4.42	280	70	5.54	6.20	400	100
7	2 ½	72.84	73.18	5.16	5.77	300	75	7.01	7.85	420	105
8	3	88.70	89.10	5.49	6.15	260	65	7.62	8.53	370	90
9	4	114.07	114.53	6.02	6.73	220	55	8.56	9.58	320	80
10	6	168.02	168.58	7.11	7.97	180	45	10.97	12.2	280	70
11	8	218.62	219.48	8.18	9.17	160	40	12.70	14.22	250	60

CPVC Pipe for Elevated Temperature

Standard Length:	5.8 & 6 mt
Color	Schedule 40 – Light Grey & White Schedule 80 – Light Grey
Joint Type:	N/A

PERFORATED PVC PIPES

Alfa Al Arabia manufactures perforated U-PVC pipes exclusively upon customer request. Clients may specify the required size and pressure class to suit their application. The dimensions and specifications provided below are for general reference only and may vary according to individual project requirements.



SLOTTED PVC PIPES



Range of Sizes	75 mm to 50 mm
Longitude Pitche of Wholes	30 mm to 200 mm
Hole Diameter	5 mm to 13 mm
Number of Rows	1 to 6
Angular Pitch of Holes	40, 80, or 120 degree for 2 rows

Alfa Al Arabia Slotted PVC pipes are produced according to RDA requirements and for use in lowering the underground water table.	
Straight Slots Staggered Slots 15	
Slot Length	Depend to the size
Slot width	1 / 1.1 / 1.5 / 2mm
Number of Row	4, 6 & 8 (but according to the size)
Angular Pitch	To be recommended by ALFA



Iso Certified

GLOBAL STANDARDS GUARANTEED



ISO 9001



ISO 45001

At Alfa AlArabia Manufacturing Company in Jeddah, we're dedicated to pushing boundaries and delivering the highest-quality products while maintaining top-tier standards for our employees. Our commitment is backed by our **ISO 9001, ISO 14001, and ISO 45001 certifications**, which guarantee adherence to the best management, environmental, and safety standards. We pride ourselves on consistently high quality and on-time delivery, with our quality inspectors ensuring that every product exceeds expectations. Our manufacturing, sales, and exports specialize in a diverse range of pipes and fittings. This includes **PVC** (UPVC and MDPE) pipes for soil, water, and underground applications; CPVC for hot water distribution; and PPR for hot and cold water supply systems. We also produce **polyethylene** (HDPE, LDPE, and LLDPE) pipes for everything from irrigation and gas mains to communication conduits. A full line of **PVC, CPVC, PPR, and HDPE fittings**, along with corresponding glues, is also available to complete any project.

ECO friendly AS NATURE INTENDED



ISO 14001

As an **ISO 14001-certified** company, Alfa A-Iarabia Manufacturing is dedicated to environmental responsibility, adhering to global management standards to minimize our impact. We manufacture, sell, and export a wide array of plastic pipes and fittings. Our product line includes **PVC** (UPVC and MUPVC) pipes for soil and water applications, **CPVC** for hot water applications, and **PPR** for both hot and cold water systems. We also produce **polyethylene** (HDPE, LDPE, and LLDPE) pipes for applications such as irrigation, gas mains, and communication conduits. To complement these, we offer a full range of **PVC, CPVC, PPR, and HDPE fittings** and glues. Our commitment to sustainability is evident in our comprehensive waste management system and our use of these durable plastic materials to conserve natural resources.



CCC

CYBERSECURITY (SACS-002) COMPLIANT



SACS - 002

Vendor Approvals ARAMCO



Saudi Aramco E-Reference No. 0013673

Registration Approval Letter

July 16, 2025

Attention : ALFA AL ARABIA MANUFACTURING COMPANY

CR Number : 4030446803
Supplier Type : Manufacturer Only
Country : Saudi Arabia

We are pleased to inform you that ALFA AL ARABIA MANUFACTURING COMPANY is now registered in the Saudi Aramco Supplier Management System under Vendor Code No. 10116102, provided your company continues to meet all relevant Saudi Arabian and Saudi Aramco standards.

This registration, however, should not be construed as a commitment by Saudi Aramco to procure from you. Being registered as a supplier only grants your company the opportunity, along with other registered sources, to respond to requests for submitting proposals in accordance with Saudi Aramco's established policies and procedures. All procurement instruments including but not limited to service contracts, purchase agreements, or purchase orders will be issued based on the name and address included in your commercial registration (CR), as stated in your Supplier Registration.

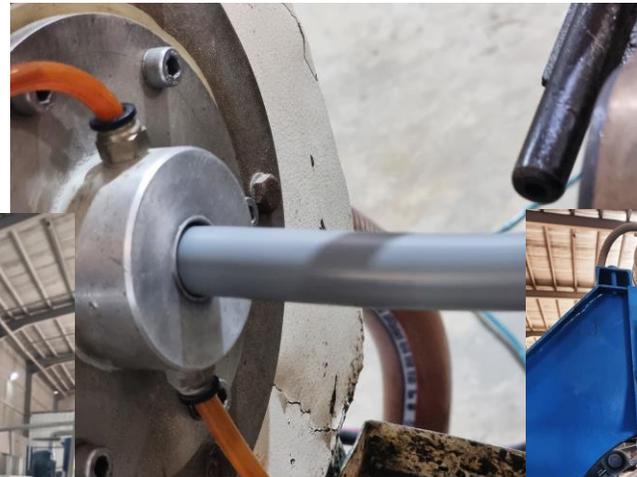
Saudi Aramco wishes to remind you that being recognized as a supplier carries with it serious obligations and responsibilities to act in a legal and ethical manner. We wish to remind you of the Saudi Aramco Supplier Code of Conduct (SCOC) which you acknowledged. Failure to abide by the principles set forth in the SCOC can result in adverse actions being taken by Saudi Aramco against you including suspension of you as a supplier. Saudi Aramco also expects each of its suppliers to satisfy each of the requirements of any procurement instrument which might be placed and to act responsibly and reliably as a supply chain supplier.

Material Suppliers should apply for Saudi Aramco Supplier Portal access by forwarding a request to portal-registration@aramco.com. The Supplier Portal is the main electronic business tool used between Saudi Aramco and its suppliers and serves to improve the flow and accuracy of key supply chain information.

For further information or assistance please contact the Saudi Aramco Supplier Help Desk by forwarding a request to SupplierHelpDesk@aramco.com or via the unified call center 800-116-1168 for In-Kingdom suppliers or +966 (11) 290-8950 for Out-of-Kingdom suppliers.

Faisal Hamad Al Dossary, Supervisor
Supplier Registration Unit
Supplier Relationship Management Div

COMPANY OPERATIONS





شركة الفا العربية للصناعة

**ALFA AL-ARABIA
MANUFACTURING
COMPANY**

Thank You

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