



YOUR TRUST IS OUR REPUTATION

# ARAIB TRADING GROUP COMPANY

## ARAIB UPVC PIPES & FITTINGS

44 Years of Experience and Excellence



## 1.1 INTRODUCTION OF UPVC PIPE

UPVC pipe uses polyvinyl chloride resin as the carrier, which has the excellent characteristics of accurate temperature sensing, timing melting, and rapid absorption of the effective ingredients of additives when weakening the gravitational force between the resin molecular chains. At the same time, it uses the world-famous calcium-zinc composite heat stabilizer. When the resin is subjected to high temperature and melting, it can capture, inhibit, absorb and neutralize the removal of hydrogen chloride, and carry out double bond addition reaction with the polyene structure to replace the active and unstable chlorine atoms in the molecule. So as to effectively and scientifically control the catalytic degradation and oxidative decomposition of the resin in the molten state.

## 1.2 UPVC PIPES CAN BE USED FOR A VARIETY OF APPLICATIONS, INCLUDING:

1. Water supply lines
2. Sewer lines
3. Drainage systems
4. Irrigation systems
5. Electrical conduit

UPVC pipes are excellent choices for any piping application because of their many advantages. They are durable, easy to install, and require minimal maintenance. If you are looking for affordable and reliable piping material, UPVC is the way to go!

## **1.3 ADVANTAGES OF UPVC PIPES**

There are many advantages of ARAIB'S UPVC pipes including:

### **1. Easy to Install**

ARAIB'S UPVC pipes may be trimmed to fit any application and are lightweight, making them simple to install. Using solvent cement or threaded fittings, UPVC pipes are very simple to connect together. UPVC is a great option for do-it-yourself projects because of this.

### **2. Cost-Effective**

ARAIB'S UPVC pipes are relatively affordable since they are simple to install, need less upkeep and labor, and are safer to use than other types of pipes. UPVC is a recyclable and ecologically friendly material. This makes UPVC a fantastic and perfect solution for sustainable projects.

### **3. Smooth Flow**

UPVC pipes feature a smooth inner surface that lowers friction and improves flow. Because of this, UPVC is a fantastic option for pipe applications requiring a lot of water.

### **4. Acid Resistance**

UPVC pipes are a great option for chemical processing applications because they are resistant to acid damage. Alkalis, salts, and other corrosive substances won't harm UPVC.

### **5. Low Maintenance**

Low-maintenance and simple to clean UPVC pipes are available. UPVC is a great option for pipework in difficult-to-reach areas because of this. Similar to other types of piping materials, UPVC pipes are not susceptible to the buildup of scale, hence they do not require disablement

### **6. Leak Resistant**

Due to their single-piece construction, UPVC pipes are incredibly leak-resistant. Because of this, UPVC is a great option for applications involving high pressure. Additionally, under subfreezing conditions, UPVC pipes are less prone to rupture.

### **7. Temperature Resistance**

UPVC pipes are resistant to deformation up to 60 degrees Celsius. Due of this, UPVC is a great material for applications involving hot water. Cold weather won't cause UPVC to rupture because it is resistant to the cold.

## 8.Non-Toxic

PVC resin, a substance that is non-toxic, is used to make UPVC pipes. This makes UPVC a great option for applications using potable water. Since UPVC is non-toxic, toxins won't seep into the water supply. Additionally, FDA-approved for use in applications involving food and drink is UPVC pipe. This makes UPVC a great option for piping in dining establishments, medical facilities, and other food service settings. Since they are absolutely odorless and tasteless, UPVC pipes act neutrally regardless of the type of carrier fluid or water they are carrying, making them the safest option for moving drinking water. More significant is the fact that UPVC pipes are completely lead-free, making them secure for your family.

## 9.Durable

With adequate maintenance and on the assumption that pipelines are placed in accordance with the engineer's design and according to industry standard pipeline installation and jointing processes, UPVC pipes are incredibly robust and may last up to 100 years. This makes UPVC a fantastic option for lengthy pipe projects. Additionally, UPVC is resistant to weathering, chemical deterioration, and corrosion. Thus, UPVC pipes won't rust, decay, or deteriorate over time. DIY projects' preferred option.

UPVC pipes offer a number of benefits, which explains why they are a common option for piping projects.

## **2.1 MANUFACTURING STANDARDS**

### **ARAIB UPVC PIPES ARE MANUFACTURED IN ACCORDANCE WITH**

- Saudi Arabian standards SASO ISO – 1452 – 2 has superseded SSA 14 and 15, which sizes and dimensions appear on the next page.
- ASTM Standards ASTM D-1785, for (Sch. 40, 80) ASTM D-2241 (SDR), ASTM D-2665, ASTM F-441, F-439.

### **2.2 RANGE OF PRODUCTION**

- This catalog contains information on the pipes from Araib that are produced in accordance with SSA and DIN Standards and range in outer diameter from 16 mm to 160 mm.
- For diameters smaller than 63mm, SSA UPVC pipes are offered with solvent weld socket joints and spigots. Mechanical rubber ring couplings and solvent weld socket joints are both available in sizes 63 mm and bigger in outer diameter.
- From 1/2 inch to 6 inches in various pressure ratings, pipes are produced in conformity with BS & ASTM Standards.
- Only basic spigot and socket couplings are offered with BS & ASTM PVC pipes.
- The normal length of ARAIB pipes is 6 meters, and they are made in grey, white, and black as well as additional colors upon request. such as orange, brown, black, and blue.

### **2.3 PRODUCT DEVELOPMENT**

In order to function efficiently, ARAIB is putting its continual research and development policy into practice. PVC and CPVC fittings are offered by the firm in an ever-expanding variety.

### **2.4 MARKING**

UPVC pipes made by ARAIB are automatically labeled during production. Each pipe has a marking that matches the relevant standard categories. Special labeling might be requested to be added.

## 3.0 ARAIB'S UPVC PIPES ASTM SDR SERIES

### 3.1 ASTM D1785/D2665 SCH. 40 PVC PRESSURE/DWV PIPE ASTM D1785 SCH. 80 PVC PRESSURE PIPE

The Araib ASTM D1785 PVC Pipe product line is designed to meet the needs of domestic, commercial, and industrial plumbing systems as well as other pressure applications. Thanks to premium raw materials and cutting-edge manufacturing techniques, our ASTM D1785 pipe complies with all applicable industry requirements as well as our exacting quality control standards.

Our Schedule 40 tubing that meets ASTM D1785 and ASTM D2665 standards is dual-rated for DWV applications for diameters 1¼" and greater. This gives the designer, installer, and end user flexibility as one product may be utilized for two distinct applications. ASTM D1785 solvent-welded solid-wall and hollow pipes are produced by ARAIB. Tables 3.1.1 to 3.1.2 should be consulted.

**TABLE 3.1.1: DIMENSIONS OF ARAIB PIPES BASED ON ASTM D1785**

Nominal size in Inches	O. D. MM		Schedule 40			Schedule 80		
			Thickness mm		Weight Kg/m	Thickness mm		Weight Kg/m
	min	max	min	max		min	max	
½"	21.2	21.54	2.8	3.3	0.24	3.7	4.2	0.31
¾"	26.6	26.9	2.9	3.4	0.33	3.9	4.4	0.41
1"	33.4	33.7	3.4	3.9	0.48	4.6	5.1	0.60
1 ¼"	42.1	42.4	3.6	4.1	0.65	4.9	5.4	0.84
1 ½"	48.1	48.4	3.7	4.2	0.77	5.1	5.7	1.03
2"	60.2	60.5	3.9	4.4	1.04	5.5	6.2	1.41
3"	88.7	89.1	5.5	6.2	2.14	7.9	8.5	2.88
4"	114.1	114.5	6.0	6.7	3.05	8.6	9.6	4.22
6"	168.0	168.5	7.1	8.0	5.37	11.0	12.3	8.05

**TABLE 3.1.2: WATER PRESSURE RATINGS FOR SCHEDULE 40 & 80**

Water Pressure ratings at 73° F (23°C) for Schedule 40 & 80 Plastic (PSI) according to ASTM D1785		
Nominal size in Inches	Schedule 40	Schedule 80
½"	300	420
¾"	240	340
1"	220	320
1 ¼"	180	260
1 ½"	170	240
2"	140	200
3"	130	190
4"	110	160
6"	90	140

**Note: 1 Bar = 14.504 PSI**

### 3.1.1 EXHAUST SYSTEMS USING PVC PIPE

**WARNING:** Serious harm, death, or property damage may come from not exactly following these directions.

Flue gas temperatures must not go over 60 °C. PVC pipe may melt or alter form at temperatures above 60 °C, causing exhaust fume leakage and property damage.

**WARNING:** The vent pipe must be correctly placed in line with all regional, national, and international plumbing and HVAC installation regulations and rules to prevent carbon monoxide poisoning.

### 3.2 ASTM D2241 PVC PRESSURE PIPE

Plumbing requirements for residential, commercial, and other pressure applications are met by the ASTM D2241 Solvent Weld PVC Pipe product range from ARAIB. Our ASTM D2241 pipe satisfies all industry requirements and our exacting quality control standards since it is made using premium raw materials and cutting-edge processing equipment. Standard solvent socket or white simple end color

**TABLE 3.2.1: STANDARD DIMENSIONS RATIO PIPE (SDR) UPVC PIPES ACCORDING TO ASTM D2241**

Nominal size in Inches	Nominal Outside diameter (mm)		Wall Thickness (mm) Standard Dimension Ratio (SDR)												
			41 W.P.: 6.9Bar		32.6 W.P.: 8.6Bar		26 W.P.: 11Bar		21 W.P.: 13.8 Bar		17 W.P.: 17.2 Bar		13.5 W.P.: 21.7 Bar		
			Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	
½"	21.24	21.44	-	-	-	-	-	-	-	-	-	-	-	1.57	2.08
¾"	26.57	26.77	-	-	-	-	-	-	1.52	2.03	1.57	2.08	1.98	2.49	2.49
1"	33.27	33.35	-	-	-	-	1.52	2.03	1.60	2.11	1.96	2.46	2.46	2.97	2.97
1 ¼"	42.03	42.29	-	-	1.52	2.03	1.63	2.13	2.01	2.52	2.49	3.00	3.12	3.63	3.63
1 ½"	48.11	48.41	-	-	1.52	2.03	1.85	2.36	2.29	2.80	2.84	3.35	3.58	4.09	4.09
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	4.98
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	7.73	7.73
4"	114.07	114.53	2.80	3.30	3.51	4.01	4.39	4.90	5.44	6.10	6.73	7.54	8.46	9.49	9.49
6"	168.00	168.56	4.11	4.62	5.18	5.79	6.48	7.26	8.03	9.00	9.91	11.10	12.47	13.97	13.97

**TABLE 3.2.2: PRESSURE RATING 230 C**

Pipe- SDR	41	32.5	26	21	17	13.5
Rating P.S.I	100	125	160	200	250	315

### 3.2.1 EXHAUST SYSTEMS USING PVC PIPE

**WARNING:** Serious harm, death, or property damage may come from not exactly following these directions.

Flue gas temperatures must not go over 60 °C. PVC pipe may melt or alter form at temperatures above 60 °C, causing exhaust fume leakage and property damage.

**WARNING:** Vent pipe installation must be done correctly and in line with all local, state, and federal plumbing and HVAC installation regulations and requirements to prevent carbon monoxide poisoning. In relation to equipment installation in violation of any codes or regulations, ARAIB takes no responsibility.

**TABLE 3.2.3: SDR 41 S 20 PN 6 SASO - ISO - 1452 - 2**

Outside Diameter					SDR 33 S16			Std. Length
Outside Diameter		Ovality	Wall Thickness		Weight Per Pipe			
Min.	Max.	Max.	Min.	Max.	PE	SJ	RJ	
mm	mm	mm	mm	mm	kg	kg	kg	
PN 6: For nominal sizes down to 90mm, nominal pressure PN6 is based on service (design) coefficient C=2.5								
40	40.2	1.4	1.5	1.9	1.760	1.766	-	6000
50	50.2	1.4	1.6	2.0	2.344	2.352	-	6000
63	63.3	1.5	2.0	2.4	3.615	3.627	3.633	6000
75	75.3	1.6	2.3	2.8	4.991	5.007	5.016	6000
90	90.3	1.8	2.8	3.3	7.162	7.185	7.197	6000
PN 8: For nominal sizes 110 mm and below, nominal pressure PN8 is based on service (design) coefficient C=2.0								
110	110.4	2.2	3.4	4.0	10.623	10.658	10.676	6000
125	125.4	2.5	3.9	4.5	13.700	13.746	13.769	6000
140	140.5	2.8	4.3	5.0	16.998	17.055	17.083	6000
160	160.5	3.2	4.9	5.6	21.937	22.010	22.047	6000

**TABLE 3.2.3: SDR 41 S 20 PN 6 SASO - ISO - 1452 - 2**

Outside Diameter					SDR 41 S20 PN6 <sup>1</sup>			Std. Length
Outside Diameter		Ovality	Wall Thickness		Weight Per Pipe			
Min.	Max.	Max.	Min.	Max.	PE	SJ	RJ	
mm	mm	mm	mm	mm	kg	kg	kg	
110	110.4	2.2	2.7	3.2	8.529	8.558	8.572	6000
125	125.4	2.5	3.1	3.7	11.164	11.201	11.220	6000
140	140.5	2.8	3.5	4.1	13.978	14.025	14.048	6000
160	160.5	3.2	4.0	4.6	18.078	18.138	18.168	6000

The nominal pressure for PN6 is based on the service (design) coefficient C=2.0, and the length tolerance is 10 mm (for production and QC control purposes).

**TABLE 3.2.4: SDR 26 S 12.5 PN 8 & PN 10 SASO – ISO – 1452 – 2**

Outside Diameter		SDR 26 S 12.5						
Outside Diameter		Ovality	Wall Thickness		Weight Per Pipe			Std. Length
Min.	Max.	Max.	Min.	Max.	PE	SJ	RJ	
mm	mm	mm	mm	mm	kg	kg	kg	mm
PN 8: For nominal sizes down to 90mm, nominal pressure PN8 is based on service (design) coefficient C=2.5								
32	32.2	0.5	1.5	1.9	1.393	1.398	-	6000
40	40.2	0.5	1.6	2.0	1.859	1.865	-	6000
50	50.2	0.6	2.0	2.4	2.841	2.850	-	6000
63	63.3	0.8	2.5	3.0	4.478	4.493	4.500	6000
75	75.3	0.9	2.9	3.4	6.114	6.135	6.145	6000
90	90.3	1.1	3.5	4.1	8.846	8.875	8.890	6000
PN 10: For nominal sizes 110 mm and below, nominal pressure PN10 is based on service (design) coefficient C=2.0								
110	110.4	1.4	4.2	4.9	12.959	13.002	13.024	6000
125	125.4	1.5	4.8	5.5	16.667	16.723	16.751	6000
140	140.5	1.7	5.4	6.2	21.022	21.092	21.128	6000
160	160.5	2.0	6.2	7.1	27.536	27.628	27.674	6000

**TABLE 3.2.5: SDR 21 S 10 PN 10 & PN 12.5 SASO – ISO – 1452 – 2**

Outside Diameter		SDR 21 S 10						
Outside Diameter		Ovality	Wall Thickness		Weight Per Pipe			Std. Length
Min.	Max.	Max.	Min.	Max.	PE	SJ	RJ	
mm	mm	mm	mm	mm	kg	kg	kg	mm
PN 10: For nominal sizes down to 90mm, nominal pressure PN10 is based on service (design) coefficient C=2.5								
32	32.3	0.5	1.6	2.0	1.470	1.475	-	6000
40	40.2	0.5	1.9	2.3	2.151	2.158	-	6000
50	50.2	0.6	2.4	2.9	3.390	3.401	-	6000
63	63.3	0.8	3.0	3.5	5.248	5.266	5.574	6000
75	75.3	0.9	3.6	4.2	7.491	7.516	7.529	6000
90	90.3	1.1	4.3	5.0	10.718	10.754	10.772	6000
PN 12.5: For nominal sizes 110 mm and below, nominal pressure PN12.5 is based on service (design) coefficient C=2.0								
110	110.4	1.4	5.3	6.1	16.058	16.111	16.138	6000
125	125.4	1.5	6.0	6.8	20.497	20.565	20.599	6000
140	140.5	1.7	6.7	7.6	25.655	25.741	25.784	6000
160	160.5	2.0	7.7	8.7	33.612	33.724	33.780	6000

**TABLE 3.2.6: SDR13.6 S 6.3 PN16 & PN20 SASO - ISO - 1452 - 2**

Outside Diameter					SDR 17 S8			Std. Length
Outside Diameter		Ovality	Wall Thickness		Weight Per Pipe			
Min.	Max.	Max.	Min.	Max.	PE	SJ	RJ	
mm	mm	mm	mm	mm	kg	kg	kg	
PN 16: For nominal sizes down to 90 mm, nominal pressure PN16 is based on service (design) coefficient C=2.5								
20	20.2	0.5	1.5	1.9	0.843	0.846	-	6000
25	25.2	0.5	1.9	2.3	1.302	1.306	-	6000
32	32.2	0.5	2.4	2.9	2.104	2.111	-	6000
40	40.2	0.5	3.0	3.5	3.229	3.239	-	6000
50	50.2	0.6	3.7	4.3	4.971	4.988	-	6000
63	63.3	0.8	4.7	5.4	7.910	7.936	7.949	6000
75	75.3	0.9	5.6	6.4	11.185	11.222	11.241	6000
90	90.3	1.1	6.7	7.6	15.998	16.052	16.078	6000
PN 20: For nominal sizes 110 mm and below, nominal pressure PN20 is based on service (design) coefficient C=2.0								
110	110.4	1.4	8.1	9.2	23.680	23.759	23.799	6000
125	125.4	1.5	9.2	10.4	30.488	30.589	30.640	6000
140	140.5	1.7	10.3	11.6	38.169	38.296	38.359	6000
160	160.5	2.0	11.8	13.2	49.789	49.955	50.038	6000

**TABLE 3.2.7: SDR11 S 5 PN 20 & PN 25 SASO - ISO - 1452 - 2**

Outside Diameter					SDR 11 S5			Std. Length
Outside Diameter		Ovality	Wall Thickness		Weight Per Pipe			
Min.	Max.	Max.	Min.	Max.	PE	SJ	RJ	
mm	mm	mm	mm	mm	kg	kg	kg	
PN 20: For nominal sizes down to 90 mm, nominal pressure PN20 is based on service (design) coefficient C=2.5								
20	20.2	0.5	1.9	2.3	1.019	1.022	-	6000
25	25.2	0.5	2.3	2.8	1.550	1.555	-	6000
32	32.2	0.5	2.9	3.4	2.458	2.467	-	6000
40	40.2	0.5	3.7	4.3	3.893	3.906	-	6000
50	50.2	0.6	4.6	5.3	6.025	6.045	-	6000
63	63.3	0.8	5.8	6.6	9.519	9.550	9.566	6000
75	75.3	0.9	6.8	7.7	13.271	13.315	13.337	6000
90	90.3	1.1	8.2	9.3	19.201	19.265	19.297	6000

**TABLE 3.2.7: SDR11 S 5 PN 20 & PN 25 SASO - ISO - 1452 - 2**

Outside Diameter					SDR 11 S5			Std. Length
Outside Diameter		Ovality	Wall Thickness		Weight Per Pipe			
Min.	Max.	Max.	Min.	Max.	PE	SJ	RJ	
mm	mm	mm	mm	mm	kg	kg	kg	
PN 25: For nominal sizes 110 mm and below, nominal pressure PN25 is based on service (design) coefficient C=2.0								
110	110.4	1.4	10.0	11.2	28.462	28.556	28.604	6000
125	125.4	1.5	11.4	12.8	36.893	37.016	37.077	6000
140	140.5	1.7	12.7	14.2	45.976	46.130	46.206	6000
160	160.5	2	14.6	16.3	60.310	60.511	60.612	6000

**TABLE 3.2.8: SDR 17 S 8 PN 12.5 & PN 16 SASO - ISO - 1452 - 2**

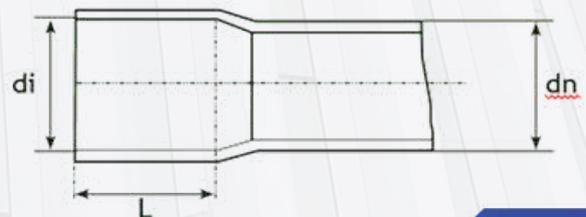
Outside Diameter		SDR 17 S 8						
Outside Diameter		Ovality	Wall Thickness		Weight Per Pipe			Std. Length
Min.	Max.	Max.	Min.	Max.	PE	SJ	RJ	
mm	mm	mm	mm	mm	kg	kg	kg	mm
PN 12.5 For nominal sizes up to 90mm, nominal pressure PN12.5 is based on service (design) coefficient C=2.5								
25	25.2	0.5	1.5	1.9	1.072	1.076	-	6000
32	32.2	0.5	1.9	2.3	1.698	1.704	-	6000
40	40.2	0.5	2.4	2.9	2.675	2.684	-	6000
50	50.2	0.6	3.0	3.5	4.105	4.118	-	6000
63	63.3	0.8	3.8	4.4	6.527	6.549	6.559	6000
75	75.3	0.9	4.5	5.2	9.192	9.222	9.238	6000
90	90.3	1.1	5.4	6.2	13.189	13.233	13.255	6000
PN 16 For nominal sizes 110 mm and above, nominal pressure PN12.5 is based on service (design) coefficient C=2.0								
110	110.4	1.4	6.6	7.5	19.604	19.670	19.702	6000
125	125.4	1.5	7.4	8.4	24.982	25.065	25.106	6000
140	140.5	1.7	8.3	9.4	31.350	31.454	31.506	6000
160	160.5	2.0	9.5	10.7	40.883	41.019	41.087	6000

**TABLE 3.2.9: DIMENSIONAL SPECIFICATION FOR SJ SOCKETS SASO - ISO - 1452 - 2**

Nominal Inside Diameter of Socket ( $d_n$ )	Mean Inside Diameter of Socket, $d_i$		Socket Ovality	Socket Length, L
	Minimum	Maximum	Maximum	Minimum
20	20.1	20.3	0.25	16.0
25	25.1	25.3	0.25	18.5
32	32.1	32.3	0.25	22.0
40	40.1	40.3	0.25	26.0
50	50.1	50.3	0.3	31.0
63	63.1	63.3	0.4	37.5
75	75.1	75.3	0.5	43.5
90	90.1	90.3	0.6	51.0
110	110.1	110.4	0.7	61.0
125	125.1	125.4	0.8	68.5
140	140.2	140.5	0.9	76.0
160	160.2	160.5	1.0	86.0

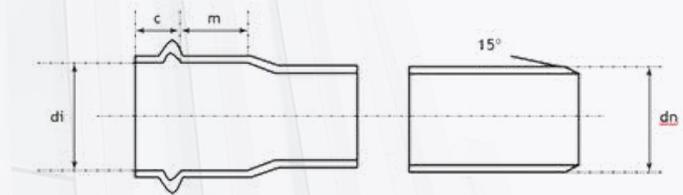
1. The pipe's nominal outer diameter must match the nominal internal diameter,  $d_n$ , of a socket.

2. At the halfway point of the socket length, the mean interior diameter,  $d_i$ , must be measured.



**TABLE 3.2.10 DIMENSIONAL SPECIFICATION FOR RJ SOCKETS SASO - ISO - 1452 - 2**

Nominal Inside Diameter of Socket (dn)	Minimum Mean Inside Diameter of Socket	Maximum Ovality		Minimum Depth of Engagement	Length of Socket Entrance & Sealing Area
$d_n$	$d_i$	S 20 to S 16	S 12.5 to S 5	m	c
63	63.4	1.2	0.6	58	32
75	75.4	1.2	0.7	60	34
90	90.4	1.4	0.9	61	36
110	110.5	1.7	1.1	64	40
125	125.5	1.9	1.2	66	42
140	140.6	2.1	1.3	68	44
160	160.6	2.4	1.5	71	48



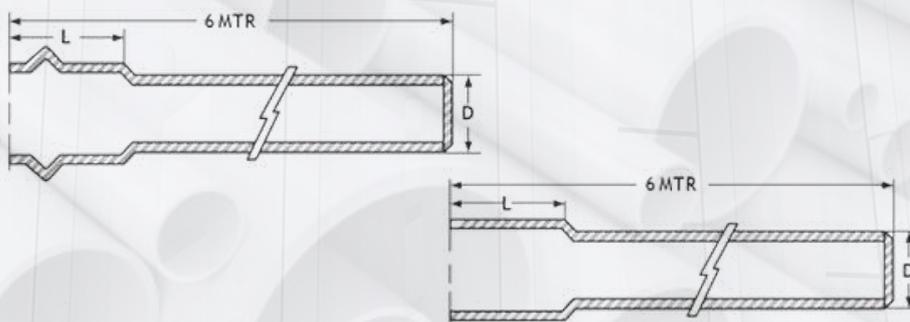
1. Except for the sealing ring groove, the wall thickness of the sockets cannot be less than the pipe's minimum wall thickness at any point.
2. The minimum wall thickness of the pipe must be at least 0.8 times the wall thickness of the sealing ring groove.

## STANDARD TABLES:

**TABLE 3.3.1: ARAIB UPVC PIPES ACCORDING TO SSA 14 & 15/1998, ISO 161/1 AND DIN 8061/62 STANDARD, NOMINAL OUTSIDE DIAMETERS & NOMINAL WALL THICKNESS**

Nominal Outside Diameter (mm)	Socket Depth for R/J mm (t)	Socket Depth for S/J mm (t)	CLASS I 2 Bar		CLASS II 4 Bar		CLASS III 6 Bar		CLASS IV 10 Bar		CLASS V 16 Bar	
			Nom. wt kg/m	Nom. thick. of the wall mm	Nom. wt kg/m	Nom. thick. of the wall mm	Nom. wt kg/m	Nom. thick. of the wall mm	Nom. wt kg/m	Nom. thick. of the wall mm	Nom. wt kg/m	Nom. thick. of the wall mm
16											0.090	1.2
20		20									0.137	1.5
25		25							0.174	1.5	0.212	1.9
32		32							0.264	1.8	0.342	2.4
40		40					0.334	1.8	0.350	1.9	0.525	3.0
50		50					0.422	1.8	0.552	2.4	0.809	3.7
63	117	63					0.562	1.9	0.854	3.0	1.289	4.7
75	119	70			0.642	1.8	0.782	2.2	1.220	3.6	1.820	5.6
90	124	79			0.774	1.8	1.130	2.7	1.750	4.3	2.610	6.7
110	129	91	0.950	1.8	1.160	2.2	1.640	3.2	2.610	5.3	3.900	8.2
125	132	100	1.080	1.8	1.480	2.5	2.130	3.7	3.340	6.0	5.010	9.3
140	135	109	1.210	1.8	1.840	2.8	2.650	4.1	4.100	6.7	6.270	10.4
160	142	121	1.390	1.8	2.410	3.2	3.440	4.7	5.470	7.7	8.170	11.9
200	150	145	1.740	1.8	3.700	4.0	5.370	5.9	8.510	9.6	12.800	14.9
225	162	160	1.960	1.8	4.700	4.5	6.760	6.6	10.800	10.8	16.100	16.7
250	162	175	2.400	2.0	5.650	4.9	8.310	7.3	13.200	11.9	19.900	18.6
280	170	193	3.110	2.3	7.110	5.5	10.400	8.2	16.600	13.4	24.900	20.8
315	180	214	3.780	2.5	9.020	6.2	13.100	9.2	20.900	15.0	31.500	23.4
355	189		4.870	2.9	11.400	7.0	16.700	10.4	26.500	16.9	39.900	26.3
400	200		6.100	3.2	14.500	7.9	21.100	11.7	33.700	19.1	50.800	29.7
450	213		7.650	3.6	18.300	8.9	26.800	13.2	42.700	21.5	-	-
500	253		9.370	4.0	22.400	9.8	32.900	14.6	52.600	23.9	-	-
630	315		14.700	5.0	35.700	12.4	52.200	18.4	83.200	30.0	-	-
710	450		18.900	5.7	45.300	14.0	66.100	20.7	-	-	-	-

Note: SSA 14 is a withdrawn standard replaced by SASO-ISO 1452 -2 and produced on request only for an indefinite period of time.



**TABLE 3.2.11 PROPERTIES OF ARAIB UPVC PIPES**

Properties		
<b>MECHANICAL</b>	Unit	Values
Tensile Strength Ultimate	kgf/cm <sup>2</sup> MPa	492.5 min 48.3 min
Modulus of Elasticity in Tension	kgf/cm <sup>2</sup> MPa	28123 min 2758 min
Compressive Strength	kgf/cm <sup>2</sup> MPa	632.2 min 62.0 min
Flexural Strength	kgf/cm <sup>2</sup> MPa	1020 100.0 min
Izod Impact Strength	J/m of notch	34.7 min
Hardness	Durometer "D" Rockwell "R"	>70±3 110- 120
<b>THERMAL PROPERTIES</b>	Unit	Values
Coefficient of Thermal Linear Expression		5.6
Thermal Conductivity	Wm/ °k/m <sup>2</sup>	0.18
Specific Heat	cal / °C kcal/kg °C	0.23 0.23
Vicat Softening Temperature	°C	> 80
Deflection Temperature	°C	> 70 min
Elongation at Break	%	> 40 min
<b>ELECTRICAL PROPERTIES</b>	Unit	Values
Dielectric Strength	Volts / Mil	1100
Dielectric Constant	60 cps @ 30°C	4
Specific Volume Resistivity	Ohm / cm	> 10 <sup>14</sup>
Power Factor	at 10 cycles	3
<b>GENERAL PROPERTIES</b>	Unit	Values
Specific Gravity		1.42 min
Water Absorption	mg/cm <sup>2</sup>	< 4
Cell Designation	ASTM 1784	12454
Flame Spread E-84		< 25
Poison's Ratio @ 73 °F		0.35 - 0.38
Friction Coefficient	Factor "C"	150

## 4.0 APPLICATION OF ARAIB UPVC PIPES

### 1. Water Supplies

In agriculture, ARAIB UPVC pipes are utilized for sprinkler and irrigation systems. ARAIB UPVC pipes are ideal for carrying water that contains artificial fertilizers and pesticides since they are non-corrosive. The wide diameters and thick walls of ARAIB UPVC pipes allow for the transportation of liquids under high pressure, which is advantageous for handling huge volumes.

## **2. Irrigation Systems**

For use with irrigation and sprinkler systems in farming, ARAIB UPVC pipes are perfect. Due to its non-corrosive nature, ARAIB UPVC pipes may be used to transport chemical fertilizers and pesticides in water. Araib UPVC pipes with large diameters and thick walls can transport liquids under high pressure, which is useful for managing huge volumes.

## **3. Araib UPVC Pipes Casing & Screen**

The use of protective coatings, chemical treatments, or cathodic protection to halt corrosion and encrustation is not viable due to technological challenges and the possibility for hazardous chemical reactions. The necessary government consultants and engineers immediately approved Araib non-corrosion PVC pipes for the water well casing and screen.

## **4. Industry**

Since they can withstand most chemicals, Araib UPVC pipes are essential in industrial operations. Because they are lightweight, non-corrosive, and easy to manufacture, they allow for more complex pipeline construction than steel or cast-iron pipes.

## **5. Soil, Waste & Drainage Sewer System**

Wide-ranging uses for ARAIB UPVC pipes include drainage systems for individual homes, waste lines for corrosive gases, ventilation for commercial and office buildings, elevated roadways, and more. To guarantee a straightforward installation, a full line of UPVC fittings is offered.

## **6. Mining**

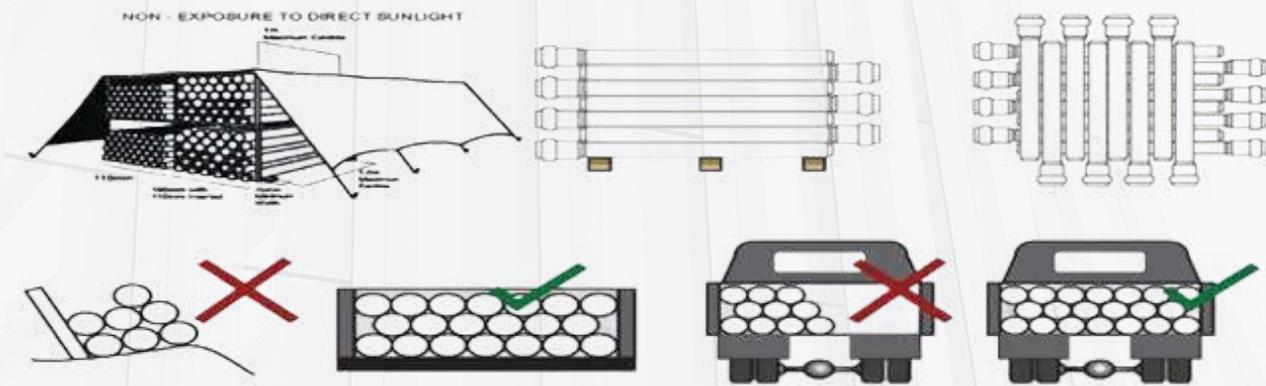
Particularly Araib UPVC pipes are ideally suited for draining the corrosive chemicals prevalent in mines. Because they are simple to install in difficult-to-reach areas, they make an excellent vent line for pits.

## **7. Electrical & Telecommunication Cables Protection**

Araib UPVC pipes, which naturally insulate, are becoming more and more in demand as electrical conduit. There is a whole range of fittings that are available that are constructed from the same material as the pipes to make the task easier.

## 5.0 HANDLING AND STORAGE

Due to their limited impact resistance, Araib pipes and fittings need extreme caution when handling and installing them. Except if they are placed in a metal conduit casing, it is strongly encouraged to bury the pipes and fittings in the ground for at least 1 meter, especially in places where heavy machinery or other heavy vehicles frequently traverse. This can help prevent wear and tear on the pipes and fittings.



**Note:** Refer to the illustration for good handling and storage.

## 5.1 TRENCH PREPARATION

Removal of rocks or pebbles, board, empty tin cans, bottles, and other remains must be taken into consideration in trench preparation. Welding pipes and fittings can be done using solvent cements, so twisting pipes, pressure testing, and other pipe movements should be done when the solvent cement is totally dry.

## 5.2 SUPPORT SPACING

Araib pipes' modulus elasticity are smaller than metal pipes so the advisable support spacing be considered according to its room temperature as well the working temperature.

## **6.0 ARAIB QUALITY CONTROL EQUIPMENT**

Quality Control Equipment: Araib Factory for Industry is well equipped with the best Quality Control Equipment.

### **1.TENSILE STRENGTH:**

TENSILE STRENGTH: Indicates how well a material can withstand being torn apart.

MODULUS OF ELASTICITY: Determines how stiff a substance is Measures the sample's extension length up until it breaks.



### **2.STRENGTH HYDROSTATIC**

Identifies the sample's capacity to endure internal pressure over a range of time.



### **3.PERIODIC REVERSAL OR HEATING IMPACTS**

The sample's capacity to withstand heat without delaminating, cracking, or blistering is measured, as well as the sample's length change after being exposed to high temperatures.



### **4.BRABENDER**

Used to assess the quality of raw materials and evaluate them for production process improvement.



## 5.METHYLENE CHLORIDE, ACETONE, AND EXTRUSION QUALITY

Evaluates the material's plasticization to see if it is sufficient.



## 6.FLATTENING /STIFFNESS

The sample's capacity to withstand deformation under stress is measured by FLATTENING/STIFFNESS. For pipe installation that is underground, this test is very helpful.



## 7.CONFIRM SOFTENING TEMPERATURE

Identifies the temperature at which a material will soften after being pierced to a depth of 1.0 mm by a flattened needle under a certain stress.



## 8.IMPACT STRENGTH

Evaluates the sample's resistance to impact or capacity for energy absorption.



## 9.DENSITY / PARTICULAR GRAVITY

Calculates the specific gravity and density to assist in the identification of the substance.



## 10.FLOW TIME

The pourability of powder materials is measured by FLOW TIME, which is a valuable indicator of the material's capacity to travel through hoppers and give consistent weight.



## 11.BULK DENSITY

Identifies processing qualities by quantifying the degree of compactness within a certain volume of the material.



## 7.0 ARAIB MOLDED FITTINGS

### 7.1 ARAIB UPVC PIPES ASTM SCHEDULE SERIES

#### ASTM D1785/D2665 Sch. 40 PVC Pressure/DWV Pipe ASTM D1785 Sch. 80 PVC Pressure Pipe

The ARAIB ASTM D1785 PVC Pipe product line was developed to meet the demands of domestic, industrial, commercial, and residential plumbing systems as well as other pressure applications. Due to the use of the highest certified quality raw materials and state-of-the-art processing techniques, our ASTM D1785 pipe conforms with all industry standards as well as our own rigorous quality control standards.

Our Schedule 40 ASTM D1785 pipe is dual-rated to ASTM D2665 for DWV applications for diameters 1 1/4" and higher. By enabling users to use one product for two distinct applications, this offers adaptability for the designer, installer, and end-user. Solvent-welded solid-wall ASTM D1785 pipes are produced by ARAIB. Observe Tables 7.1.1 through 7.1.2.

**Table 7.1.1: ARAIB PIPE / FITTINGS SPECIFICATION**

ARAIB PIPE / FITTINGS SPECIFICATION		
FITTING STANDARD	ASTM D2466 ASTM 2665 (DWV) SCH.40	ASTM D2467 SCH.80
Applications	Water (DWV)	Water
Diameter Std.	See Next Page	
Nominal Sizes	1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3", 4", 6"	1/2", 3/4", 1", 1 1/4", 1 1/2", 2"
Color	WHITE	GRAY
Fittings Compound	ASTM D1784 Cell Class 12454	
Fittings Joint Std.	ASTM D2672	
Installation Std.	ASTM D2774 & ASTM D2855	



## WARNING:

To avoid severe injury, property damage, and death, procedure must be rigorously followed.

The maximum temperature for flue gas should not exceed 60 °C. PVC pipe may melt or change shape when exposed to temperatures exceeding 60 °C, leading to property damage and exhaust fume leakage.

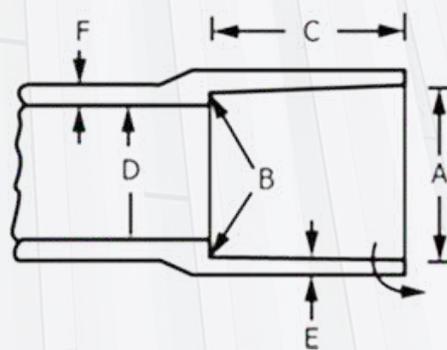
## RISK OF POISONING FROM CARBON MONOXIDE:

Vent pipe construction must adhere to all local, state, and federal plumbing and HVAC installation standards and regulations.

**Note:** ARAIB disclaims all responsibility for equipment put in violation of any rule or regulation.

## REMARKS:

1. Only estimations should be made using these measurements.
2. Unless otherwise stated, all measurements are in inches [millimeter].
3. A 2:1 safety factor is included in the ASTM Pressure Rating at 23°C.
4. Internal diameter is computed using nominal outer diameter and minimum wall thickness.



The maximum temperature for flue gas should not exceed 60 °C. PVC pipe may melt or change shape when exposed to temperatures exceeding 60 °C, leading to property damage and exhaust fume leakage.

**TABLE 7.1.2. ARAIB UPVC SCHEDULE 40, 80 & DWV (ASTM D2466 ,D2467 & D2665) SOCKET DIAMETER**

UPVC Schedule 40, 80 & DWV (ASTM D2466 ,D2467 & D2665)					
Socket Diameter					
Nominal Size	Aver. Entrance A[MM]	Aver. Bottom B[MM]	Socket Length (Minimum) C SCH40	Socket Length (Minimum) C SCH40 (DWV)	Socket Length (Minimum) C SCH80
½	0.848 [21.54]	0.836 [21.23]	0.688 [17.48]		0.875 [22.22]
¾	1.058 [26.87]	1.046 [26.57]	0.719 [18.26]		1.000 [25.40]
1	1.325 [33.66]	1.310 [33.27]	0.875 [22.23]		1.125 [28.58]
1¼	1.670 [42.42]	1.655 [42.04]	0.938 [23.83]	0.687 [17.44]	1.250 [31.75]
1½	2.387 [60.63]	1.894 [48.11]	1.094 [27.79]	0.687 [17.44]	1.375 [34.93]
2	2.387 [60.63]	2.369 [60.17]	1.156 [29.36]	0.750 [19.05]	1.500 [38.10]
3	3.516 [89.31]	3.492 [88.70]	1.875 [47.63]	1.500 [38.10]	
4	4.518 [114.76]	4.491 [114.07]	2.000 [50.80]	1.750 [44.45]	
6	6.647 [168.83]	6.614 [168.00]	3.000 [76.20]	3.000 [76.20]	

## 7.2 ARAIB UPVC FITTINGS ASTM SCHEDULE SERIES

ASTM D2466/ D2665 Sch. 40 PVC Pressure/DWV Fitting ASTM D2467 Sch. 80 PVC Pressure Fitting | Solvent Weld

### 7.2.1 ARAIB UPVC FITTINGS

ASTM D2466/ D2665 Sch. 40 PVC Pressure/ DWV Fitting. Ref. Following Tables:

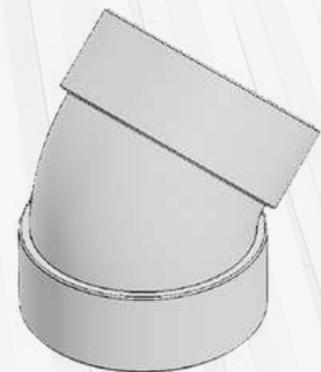
#### UPVC ELBOW 90° SCH.40

S.NO	PART NO	Size	PACK
1	ARAIB-UPVC-001	½ "	600
2	ARAIB-UPVC-002	¾ "	400
3	ARAIB-UPVC-003	1 "	200
4	ARAIB-UPVC-004	1 ¼ "	100
5	ARAIB-UPVC-005	1 ½ "	75
6	ARAIB-UPVC-006	2 "	36
7	ARAIB-UPVC-007	3 "	36
8	ARAIB-UPVC-008	4 "	33
9	ARAIB-UPVC-009	6 "	6



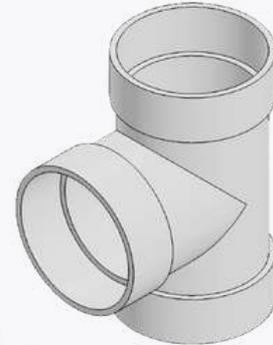
#### UPVC ELBOW 45° SCH.40

S.NO	PART NO	Size	PACK
10	ARAIB-UPVC-010	¾ "	400
11	ARAIB-UPVC-011	1 "	225
12	ARAIB-UPVC-012	1 ½ "	75
13	ARAIB-UPVC-013	2 "	40
14	ARAIB-UPVC-014	3 "	36
15	ARAIB-UPVC-015	4 "	24
16	ARAIB-UPVC-016	6 "	6



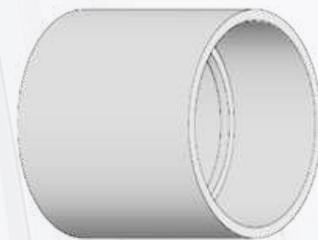
### ARAIB UPVC TEE 90° SCH.40

S.NO	PART NO	Size	PACK
17	ARAIB-UPVC-017	½ "	400
18	ARAIB-UPVC-018	¾ "	200
19	ARAIB-UPVC-019	1 "	100
20	ARAIB-UPVC-020	1 ¼ "	75
21	ARAIB-UPVC-021	1 ½ "	60
22	ARAIB-UPVC-022	2 "	30
23	ARAIB-UPVC-023	3 "	44
24	ARAIB-UPVC-024	4 "	24
25	ARAIB-UPVC-025	6 "	4



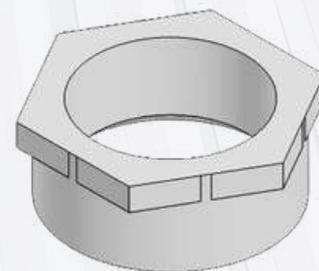
### UPVC COUPLING SCH.40

S.NO	PART NO	Size	PACK
26	ARAIB-UPVC-026	½ "	800
27	ARAIB-UPVC-027	¾ "	600
28	ARAIB-UPVC-028	1 "	300
29	ARAIB-UPVC-029	1 ¼ "	200
30	ARAIB-UPVC-030	1 ½ "	100
31	ARAIB-UPVC-031	2 "	90
32	ARAIB-UPVC-032	3 "	115
33	ARAIB-UPVC-033	4 "	40
34	ARAIB-UPVC-034	6 "	24



### UPVC REDUCING BUSH 90° SCH.40

S.NO	PART NO	Size	PACK
35	ARAIB-UPVC-035	2 " x 1 ½ "	150
36	ARAIB-UPVC-036	3 " x 2 "	36
37	ARAIB-UPVC-037	4 " x 2 "	48
38	ARAIB-UPVC-038	4 " x 3 "	48
39	ARAIB-UPVC-039	6 " x 4 "	18



### UPVC WYE SCH.40

S.NO	PART NO	Size	PACK
40	ARAIB-UPVC-040	1 ½ "	50
41	ARAIB-UPVC-041	2 "	30
42	ARAIB-UPVC-042	3 "	30
43	ARAIB-UPVC-043	4 "	15
44	ARAIB-UPVC-044	6 "	5



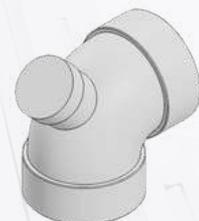
### UPVC P-TRAP SCH.40

S.NO	PART NO	Size	PACK
45	ARAIB-UPVC-045	2 "	30
46	ARAIB-UPVC-046	3 "	20
47	ARAIB-UPVC-047	4 "	18



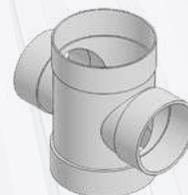
### UPVC ELBOW 90° WITH ACCESS CAP SCH.40

S.NO	PART NO	Size	PACK
48	ARAIB-UPVC-048	3 "	30
49	ARAIB-UPVC-049	4 "	30



### UPVC CROSS SCH.40

S.NO	PART NO	Size	PACK
50	ARAIB-UPVC-050	4 "	20



### UPVC ELBOW 90° 1½" SCH.40 FEMALE. THREADED

S.NO	PART NO	Size	PACK
51	ARAIB-UPVC-051	1 ½ "	75



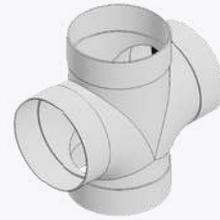
### UPVC SANITARY TEE SCH.40

S.NO	PART NO	Size	PACK
52	ARAIB-UPVC-052	4 "	18
53	ARAIB-UPVC-053	6 "	5



#### UPVC SANITARY CROSS SCH.40

S.NO	PART NO	Size	PACK
54	ARAIB-UPVC-054	4 "	12



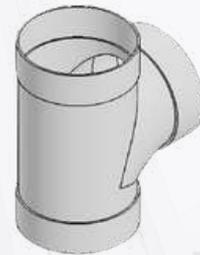
#### UPVC SANITARY TEE REDUCER ACCESS CAP SCH.40

S.NO	PART NO	Size	PACK
55	ARAIB-UPVC-055	4 " x 2 "	20
56	ARAIB-UPVC-056	4 " x 3 "	20



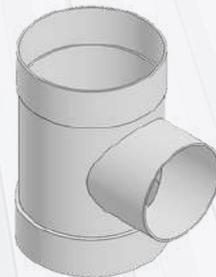
#### UPVC SANITARY TEE REDUCER SCH.40

S.NO	PART NO	Size	PACK
47	ARAIB-UPVC-057	4 " x 2 "	24
48	ARAIB-UPVC-058	4 " x 3 "	24
49	ARAIB-UPVC-059	6 " x 4 "	8



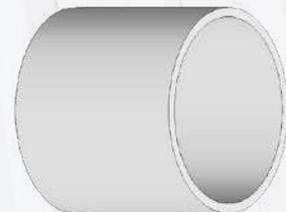
#### UPVC TEE REDUCER SCH.40

S.NO	PART NO	Size	PACK
60	ARAIB-UPVC-060	6 " x 4 "	8



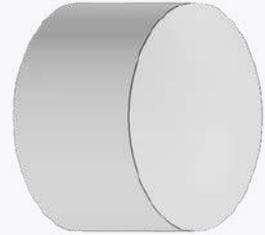
#### UPVC REPAIR COUPLING SCH.40

S.NO	PART NO	Size	PACK
61	ARAIB-UPVC-061	4 "	40



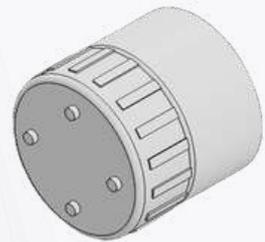
### UPVC END CAP SCH.40

C	PART NO	Size	PACK
62	ARAIB-UPVC-062	2"	120
63	ARAIB-UPVC-063	4"	30
64	ARAIB-UPVC-064	6"	10



### UPV SCREWED ACCESS CAP SCH.40

S.NO	PART NO	Size	PACK
65	ARAIB-UPVC-065	4"	40



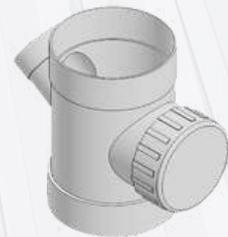
### UPVC WYE REDUCER WITH ACCESS CAP SCH.40

S.NO	PART NO	Size	PACK
66	ARAIB-UPVC-066	4" x 2"	15



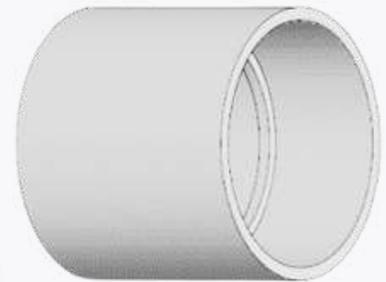
### UPVC WYE WITH ACCESS CAP SCH.40

S.NO	PART NO.	Size	PACK
67.	ARAIB-UPVC-067	4"	15



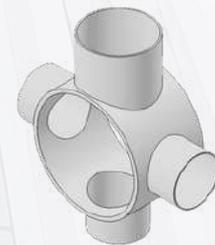
### UPVC COUPLING SCH.40

S.NO	PART NO.	Size	PACK
68.	ARAIB-UPVC-068	½ "	800
69.	ARAIB-UPVC-069	¾ "	600
70.	ARAIB-UPVC-070	1 "	300
71.	ARAIB-UPVC-071	1 ¼ "	200
72.	ARAIB-UPVC-072	1 ½ "	100
73.	ARAIB-UPVC-073	2 "	90
74.	ARAIB-UPVC-074	3 "	115
75.	ARAIB-UPVC-075	4 "	40
76.	ARAIB-UPVC-076	6 "	24



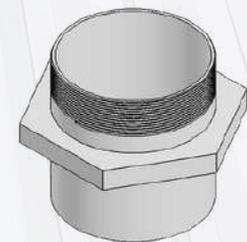
### UPVC FLOOR GULLY SCH.40

S.NO	PART NO.	Size	PACK
81.	ARAIB-UPVC-081	3" x 2" x 1½"	24
82.	ARAIB-UPVC-082	2" x 2" x 1½"	36



### UPVC MALE ADAPTOR SCH.40

S.NO	PART NO.	Size	PACK
83.	ARAIB-UPVC-083	4 " x 2 "	20
84.	ARAIB-UPVC-084	6 " x 4 "	7



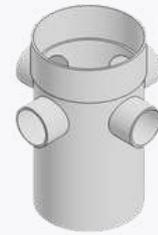
### UPVC WYE REDUCER SCH.40

S.NO	PART NO.	Size	PACK
77.	ARAIB-UPVC-077	½ "	1,000
78.	ARAIB-UPVC-078	¾ "	600
79.	ARAIB-UPVC-079	1 "	300
80.	ARAIB-UPVC-080	2 "	75



### UPVC FLOOR TRAP

S.NO	PART NO.	Size	PACK
85.	ARAIB-UPVC-085	4 " × 1½ "	20
86.	ARAIB-UPVC-086	4 " × 2 "	20



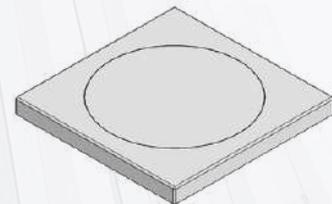
### UPVC TEE 90° WITH ACCESS CAP SCH.40

S.NO	PART NO.	Size	PACK
87.	ARAIB-UPVC-087	3 "	24
88.	ARAIB-UPVC-088	4 "	20



### UPVC COVER FOR FLOOR GULLY

S.NO	PART NO.	Size	PACK
89.	ARAIB-UPVC-089	15 x 15 CM	80
90.	ARAIB-UPVC-090	20 x 20 CM	50



## 7.2.2 ARAIB UPVC FITTINGS CONFORMING WITH DIN & ISO SERIES PIPES

### 2.1 ARAIB PVC ACCESSORIES CONFORMING WITH PIPES DIN 8062 & ISO 1452

The manufacturing of ARAIB DIN & ISO series Solvent Weld PVC Molded Fittings meets the needs of residential, commercial, and industrial plumbing systems as well as other pressure applications. Thanks to superior raw materials and cutting-edge production methods, our DIN & ISO series Fittings surpass all industry requirements as well as our own stringent quality control criteria.

ARAIB A single manufacturer must create the whole system of pipes and fittings. Keep an eye on Tables 7.2.2.1 through 7.2.2.2.

**Table 7.2.2.1 : Short form Specification**

Short form Specification	
FITTING STANDARD	Designed to be conforming with Pipes DIN 8062 & ISO 1452
Applications	Water & DWV
Nominal Sizes	50MM : 160MM
Color	WHITE, GRAY
Fittings Compound	ISO 1452 -1 Class ISO 12162
Fittings Joint Std.	ISO 11922 - 1
Installation Std.	ISO/TR 4191



To ensure the production of high-quality products, ARAIB uses SABIC UPVC RAW MATERIALS.

### PVC PIPE IN EXHAUST SYSTEMS

To produce high-quality products, ARAIB uses PVC Compound that has received NSF certification.

#### **WARNING:**

Procedure needs to be adhered to correctly to avoid fatalities, severe injuries, and property damage.

Flue gas shouldn't be heated above 60 °C at any time. When PVC pipe is subjected to temperatures above 60 °C, it may melt or alter form, causing property damage and leaking of exhaust fumes.

**RISK OF POISONING FROM CARBON MONOXIDE:**

The construction of vent pipes must adhere to all applicable regional, national, and local plumbing and HVAC installation standards and regulations.

**Reminder:** ARAIB disclaims all liability for equipment placed in contravention of any laws or regulations.

**Table 7.2.2.1: ARAIB PVC accessories conforming with Pipes DIN 8062 & ISO 1452.**

PVC accessories conforming with Pipes DIN 8062 & ISO 1452					
S.NO	Name of Item	Size	PART NO	PACK	PICTURE OF ITEM
1.	UPVC ELBOW 90°	110 white	ARAIB-UPVC-1452-1	27	
2.		110 gray	ARAIB-UPVC-1452-2	27	
3.	UPVC ELBOW 45°	110 mm	ARAIB-UPVC-1452-3	36	
4.	UPVC WYE	110 MM WHITE	ARAIB-UPVC-1452-4	15	
5.		110 mm Gray	ARAIB-UPVC-1452-5	15	

**Table 7.2.2.2: ARAIB PVC accessories conforming with Pipes DIN 8062 & ISO 1452.**

<b>PVC accessories conforming with Pipes DIN 8062 &amp; ISO 1452</b>					
<b>S.NO</b>	<b>Name of Item</b>	<b>Size</b>	<b>PART NO</b>	<b>PACK</b>	<b>PICTURE OF ITEM</b>
6.	<b>UPVC COUPLING</b>	110 mm white	ARAIB-UPVC-1452-6	60	
7.		160 mm white	ARAIB-UPVC-1452-7	21	
8.		160 mm Gray	ARAIB-UPVC-1452-8	21	
9.	<b>UPVC P-TRAP</b>	110 mm white	ARAIB-UPVC-1452-9	18	
		110 mm Gray	ARAIB-UPVC-1452-10	18	

## 7.3 ARAIB PVC FITTING

ASTM D2467 Sch. 80 PVC Pressure Fitting. Ref in Table 7.3.1 to Table 7.3.2.

Table 7.3.1: ASTM D2467 Sch. 80 PVC Pressure Fitting

ASTM D2467 Sch. 80 PVC Pressure Fitting					
S.NO	Name of Item	Size	PART NO	PAC K	PICTURE OF ITEM
1.	PVC TEE 90 ° SCH.80	½ "	ARAIB-PVC-001	600	
2.		¾ "	ARAIB-PVC-002	400	
3.		1 "	ARAIB-PVC-003	225	
4.		1 ¼ "	ARAIB-PVC-004	150	
5.		1 ½ "	ARAIB-PVC-005	100	
6.		2 "	ARAIB-PVC-006	60	
7.	PVC COUPLING SCH.80	½ "	ARAIB-PVC-007	600	
8.		¾ "	ARAIB-PVC-008	400	
9.		1 "	ARAIB-PVC-009	225	
10.		1 ¼ "	ARAIB-PVC-010	150	
11.		1 ½ "	ARAIB-PVC-011	100	
12.		2 "	ARAIB-PVC-012	60	
13.	PVC UNION SCH.80	½ "	ARAIB-PVC-013	100	
14.		1 "	ARAIB-PVC-014	75	
15.		1 ¼ "	ARAIB-PVC-015	60	
16.		1 ½ "	ARAIB-PVC-016	48	
17.	PVC ELBOW 90° SCH.80	½ "	ARAIB-PVC-017	400	
18.		¾ "	ARAIB-PVC-018	200	
19.		1 "	ARAIB-PVC-019	150	
20.		1 ¼ "	ARAIB-PVC-020	75	
21.		1 ½ "	ARAIB-PVC-021	60	
22.		2 "	ARAIB-PVC-022	36	

Table 7.3.2: ASTM D2467 Sch. 80 PVC Pressure Fitting

ASTM D2467 Sch. 80 PVC Pressure Fitting					
S.NO	Name of Item	Size	PART NO	PAC K	PICTURE OF ITEM
1.	<b>PVC REDUCING BUSH 90 ° SCH.80</b>	¾ " × ½ "	ARAIB-PVC-023	600	
2.		1 " × ¾ "	ARAIB-PVC-024	300	
3.		1 ¼ " × ¾ "	ARAIB-PVC-025	400	
4.		1 ¼ " × 1 "	ARAIB-PVC-026	400	
5.		2 " × 1 "	ARAIB-PVC-027	150	
6.		2 " × 1 ¼ "	ARAIB-PVC-028	150	
7.	<b>PVC END CAP SCH.80</b>	½ "	ARAIB-PVC-029	500	
8.		¾ "	ARAIB-PVC-030	300	
9.		1 "	ARAIB-PVC-031	400	
10.		1 ¼ "	ARAIB-PVC-032	225	
11.		1 ½ "	ARAIB-PVC-033	200	
12.		2 "	ARAIB-PVC-034	100	
13.	<b>PVC MALE ADAPTOR SCH.80</b>	¾ "	ARAIB-PVC-035	400	
14.		1 "	ARAIB-PVC-036	300	
15.		1 ¼ "	ARAIB-PVC-037	200	
16.		2 "	ARAIB-PVC-038	75	
17.	<b>PVC ELBOW 45 ° SCH.80</b>	1 "	ARAIB-PVC-039	150	
18.		1 ¼ "	ARAIB-PVC-040	100	
19.		1 ½ "	ARAIB-PVC-041	75	
20.		2 "	ARAIB-PVC-042	40	
21.	<b>PVC CRANCK SCH.80</b>	½ "		300	
22.		¾ "		200	
23.		1 "		100	

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