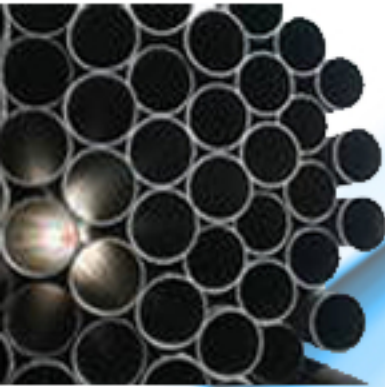
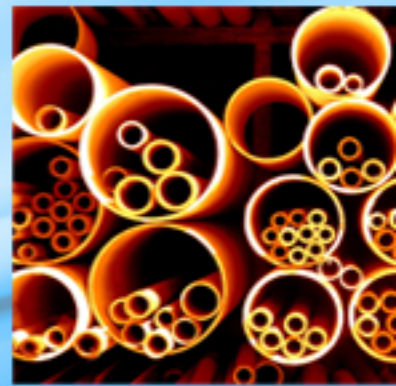
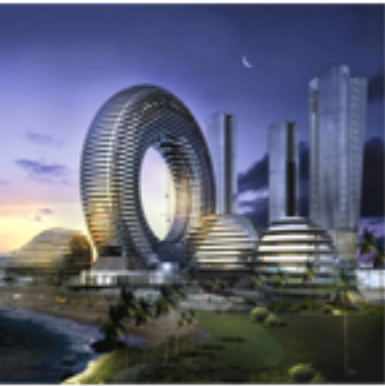




**ALGAWAS**  
Plastic Industries LLC



Plastic piping systems and solutions  
Enabling the movement of water, air, power, chemicals and telecoms



[www.algawas.com](http://www.algawas.com)

# Welcome to Algawas

At Al Gawas Plastic Industries LLC, conceiving, designing, manufacturing and delivering the most advanced products and systems isn't merely an occupation. It's a passion. One that's based around a few simple beliefs. Expertise isn't an option. Quality always beats quantity. Products are nothing without service and support. Sustainability isn't just a 'green' word. And working with our customers is much better than simply supplying them.



## Manufacturing pvc piping solutions since 1998

Al Gawas Plastic Industries LLC was established in 1998, in United Arab Emirates. We are leading manufacturer of PVC plastic pipes. Company was formed with a philosophy to manufacture and supply the highest quality plastic products in GCC and international markets. Al Gawas has consistently evolved to be a major supplier to various projects and customers around the world.

Al Gawas Plastic products have catered thousands of projects & have created an excellent reputation for its quality, reliability and performance in the most demanding conditions. The company holds an ISO 9001:2008 quality management certification.

# Our philosophy

We are dedicated to designing, manufacturing, and marketing plastic piping systems for the safe and secure conveyance of liquids, gases and power. Our Vision is to become leading provider of environment-friendly plastic piping systems for industry and building technology focusing on water-cycle applications, by 2020.



Quality  
standards

Quality has been a trademark at Al Gawas Plastic Industries LLC since our inception. Highly sophisticated on-site testing laboratories feature industry-leading technology and equipment developed to specifications engineered exclusively at Al Gawas Plastic Industries LLC .

Our comprehensive quality standards program has always been based on the continuous improvement tools of Total Quality Management (TQM). We are proud to achieve ISO 9000 series quality certification. By insisting on quality at every level of our operations we have earned a distinctive name in the market. Our entire product range is manufactured according to International Piping standards, such as BS (British Standards), ASTM, DIN.

# Sector specific focus

Al Gawas Plastic Industries LLC, operates through a number of market sector focused businesses. This focus ensures a detailed understanding of the applications in which our systems are used. Our piping systems are mostly used in Water Distribution Network, Irrigation, Borewell, Electrical Systems, Telecommunication Systems and Drainage Networks.



## Residential

Whether for new-build or refurbishment we understand the pressures developers and homeowners face in terms of approvals and Building Regulations, with our knowledge allowing us to provide carefully tailored solutions to help you meet all necessary requirements. Our holistic range is sustainable, energy efficient and cost effective. It includes:

- Above ground drainage systems for soil and waste
- Below ground drainage and flood resilience
- Hot and cold plumbing systems

## Industrial

Our range of PVC pressure pipes systems are ideally suited for the effective movement of chemicals, water, waste and fluids for industrial and manufacturing applications, such as oil&gas industry,, chemical processing, food and beverage or pharmaceutical.

## Civils & Infrastructure

With our civil engineering expertise, Al Gawas Plastic Industries lead the way in replacing traditional materials with high performance engineered plastic solutions for major projects. We offer a full range of solutions. These include:

- Foul and surface water drainage
- Pipes for electrical and cable management
- Cable protection systems
- Piping solutions for sewage systems,

## Commercial

We offer complete solutions for buildings such as hospitals, schools, high-rise apartment and office buildings and hotels, including:

- Terrain above ground soil & waste drainage
- Rainwater capture and re-use systems
- Hot and cold water systems
- Pressure systems for water supply

# Our products

Al Gawas Plastic Industries LLC is ISO 9001:2008 certified company and our entire product range is upto International plastic pipe standards including British standards, ASTM & DIN. We are manufacturing PVC Drainage Pipes, PVC Pressure Pipes and PVC Conduits for cabling and ducting purposes. Our diversified product range and high production capacity enables us to cater the local market and export market. Our export market includes GCC countries, Asia, North Africa and the subcontinent.



## PVC pressure piping systems

Al Gawas Plastic Industries produces a wide range of UPVC Pressure Pipes to most of the major international standards and dimensions of Metric and Imperial. The pipes are made from virgin UPVC resin and have a minimum required strength  $MRS=25$  mpa so that the pipes meet or exceed the rigorous hydrostatic requirements of the standards. The pipes are produced in a range of colours such as grey & white and carry full printing and identification at 1m intervals according to the standard requirements

## PVC drainage piping systems

Al Gawas Plastic Industries produces a range of UPVC pipes for above and below ground use made from virgin UPVC. The pipes are produced in all the major international standards ie: European Standards BS EN 1401, BS EN 1329, as well as the previous standards such as BS 5255, BS 4514, BS 4660, BS 5481. A range complying to ASTM D2655 Sch 40/80 is also available on request.

## Duct & conduit piping systems

Al Gawas Plastic Industries produces a range of upvc schedule 40 ducts in sizes 1/2" to 6" that are in accordance with NEMA TC-2A standard and listed to UL 651. The conduits are suitable for above or below ground installations and made from virgin pvc resin. The ducts meet and exceed all the mechanical and performance requirement of both the NEMA TC2 and UL 651 standards.

# Pressure Pipe System

## Imperial & Metric Range



**ALGAWAS**  
Plastic Industries LLC

ASTM 1785 - ASTM 2241 - BS 3505 - EN 1452-2:2009 - EN ISO 4422-2:1996 - ISO 16111  
DIN 8062:2009

# uPVC pressure pipe system

Al Gawas Plastic Industries LLC manufactures a wide range of UPVC Pressure Pipes to most of the major international standards and dimensions of Metric and Imperial. PVC pressure pipes are manufactured from PVC resin compounded with stabilisers, lubricants and pigments. They do not contain any plasticisers and hence are known as unplasticised PVC and have a minimum required strength  $MRS=25 \text{ mpa}$  so that the pipes meet or exceed the rigorous hydrostatic requirements of the standards. The pipes are produced in a range of colours such as grey, and white and carry full printing and identification at 1m intervals according to the standard requirements.

All pipes produced fall under an ISO 9001:2008 Quality Assurance system. For export requirements pipes can be supplied in 5.8m (19ft) lengths so they can be loaded into containers without damaging sockets. Al Gawas Plastic pressure pipes have been operating in demanding conditions for almost 2 decades now.

## Mechanical & Physical Properties

Material Strength	$MRS > 25 \text{ MPa}$	EN921
Impact Resistance	$TIR > 10\%$	EN744
Tensile Strength	min 45 N/mm <sup>2</sup>	ISO 6259
Resistance to Internal Pressure	20°C 42MPa/1 hour	EN921
Vicat Softening	>80°C	EN721
Longitudinal Reversion	Maximum 5%	EN743
Dichloromethane Acid Resistance	No Attack	EN580
Socket strength dia < 90mm	4.2 x [PN]	EN921
Socket strength dia > 90mm	3.6 x [PN]	EN921

# uPVC pressure pipe system

cold potable water

Pressure Pipe System  
American Standards

## ASTM D 1785 Schedule 40 / Schedule 80

Nominal Pipe Size Inch	Outside Diameter mm	Wall Thickness	
		Schedule 40 mm	Schedule 80 mm
1/2	21.3	2.8	3.7
3/4	26.7	2.9	3.9
1	33.4	3.4	4.5
1 1/4	42.2	3.6	4.8
1 1/2	48.3	3.7	5.1
2	60.3	3.9	5.5
2 1/2	73.0	5.2	7.0
3	88.9	5.5	7.6
4	114.3	6.0	8.6
6	168.3	7.1	11.0
8	219.1	8.2	12.7
10	273.1	9.3	15.1

## ASTM D 2241 Class 100 / Class 125 / Class 160 / Class 200 / Class 315

Nominal Pipe Size Inch	Outside Diameter mm	SDR 41 100psi mm	SDR 32.5 125psi mm	SDR 26 160psi mm	SDR 21 200psi mm	SDR 13.5 315psi mm
1/2	21.3					1.6
3/4	26.7				1.5	2.0
1	33.4			1.5	1.6	2.5
1 1/4	42.2		1.5	1.6	2.0	3.1
1 1/2	48.3		1.5	1.9	2.3	3.6
2	60.3		1.9	2.3	2.9	4.5
2 1/2	73.0		2.2	2.8	3.5	5.4
3	88.9	2.2	2.7	3.4	4.2	6.6
4	114.3	2.8	3.5	4.4	5.4	8.5
6	168.3	4.1	5.2	6.5	8.0	12.5
8	219.1	5.3	6.7	8.4	10.4	
10	273.1	6.6	8.4	10.5	13.0	



# uPVC pressure pipe system

for water distribution

Pressure Pipe System  
Imperial Range

## BS 3505 British Standard

Nominal Size (Inches)	Outside Diameter		Wall Thickness					
			CLASS C		CLASS D		CLASS E	
	Min. mm	Max. mm	Min. mm	Max. mm	Min. mm	Max. mm	Min. mm	Max. mm
1/2	21.2	21.5					1.7	2.1
3/4	26.6	26.9					1.9	2.5
1	33.4	33.7					2.2	2.7
1 1/4	42.1	42.4			2.2	2.7	2.7	3.2
1 1/2	48.1	48.4			2.5	3.0	3.1	3.7
2	60.2	60.5	2.5	3.0	3.1	3.7	3.9	4.5
2 1/2	75.0	75.3	3.0	3.5	3.9	4.5	4.8	5.5
3	88.7	89.1	3.5	4.1	4.6	5.3	5.7	6.6
4	114.1	114.5	4.5	5.2	6.0	6.9	7.3	8.4
6	168.0	168.5	6.6	7.6	8.8	10.2	10.8	12.5
8	218.8	219.4	7.8	9.0	10.3	11.9	12.6	14.5
10	272.6	273.4	9.7	11.2	12.8	14.8	15.7	18.1

## EN 1452-2:2009 Inch Series

Nominal Size (Inches)	Outside Diameter		Wall Thickness					
			PN 9		PN 12		PN 15	
	Min. mm	Max. mm	Min. mm	Max. mm	Min. mm	Max. mm	Min. mm	Max. mm
1/2	21.2	21.5					1.7	2.1
3/4	26.6	26.9					1.9	2.5
1	33.4	33.7					2.2	2.8
1 1/4	42.1	42.4			2.2	2.7	2.7	3.3
1 1/2	48.1	48.4			2.5	3.0	3.1	3.7
2	60.2	60.5	2.5	3.0	3.1	3.7	3.9	4.5
3	88.7	89.1	3.5	4.1	4.6	5.3	5.7	6.6
4	114.1	114.5	4.5	5.2	6.0	6.9	7.3	8.4
6	168.0	168.5	6.6	7.6	8.8	10.2	10.8	12.5
8	218.8	219.4	7.8	9.0	10.3	11.9	12.6	14.5
10	272.6	273.4	9.7	11.2	12.8	14.8	15.7	18.1

# uPVC pressure pipe system

for water distribution

Pressure Pipe System

Metric Range

EN ISO 1452-2:2009

Metric Series

Nominal Outside Diameter (mm).	Nominal (minimum) Wall Thickness					
	Series 16 SDR 33	Series 12.5 SDR 26	Series 10 SDR 21	Series 8 SDR 17	Series 6.3 SDR 13.6	Series 5 SDR 11
	Nominal Pressure PN based on service (design) coefficient C=2.5.					
	PN6	PN8	PN10	PN12.5	PN16	PN20
20	-	-	-	-	1.5	1.9
25	-	-	-	1.5	1.9	2.3
32	-	1.5	1.6	1.9	2.4	2.9
40	1.5	1.6	1.9	2.4	3.0	3.7
50	1.6	2.0	2.4	3.0	3.7	4.6
63	2.0	2.5	3.0	3.8	4.7	5.8
75	2.3	2.9	3.6	4.5	5.6	6.8
90	2.8	3.5	4.3	5.4	6.7	8.2
Nominal Pressure PN based on service (design) coefficient C=2.0						
110	2.7	3.4	4.2	5.3	6.6	8.1
125	3.1	3.9	4.8	6.0	7.4	9.2
140	3.5	4.3	5.4	6.7	8.3	10.3
160	4.0	4.9	6.2	7.7	9.5	11.8
200	4.9	6.2	7.7	9.6	11.9	14.7
225	5.5	6.9	8.6	10.8	13.4	16.6
250	6.2	7.7	9.6	11.9	14.8	18.4



# uPVC pressure pipe system

for water distribution

Pressure Pipe System  
Metric Range

## ISO 161/1 Metric Series

Nominal Outside Diameter (mm).	Nominal (minimum) Wall Thickness				
	Series 20 SDR41	Series 12.5 SDR 26	Series 8 SDR 17	Series 6.3 SDR 13.6	Series 5 SDR 11
	PN 6.3	PN 10	PN 16	PN 20	PN 25
25	-	-	1.5	1.9	2.3
32	-	-	1.9	2.4	2.9
40	-	1.6	2.4	3.0	3.7
50	1.3	2.0	3.0	3.7	4.6
63	1.6	2.5	3.8	4.7	5.8
75	1.9	2.9	4.5	5.6	6.8
90	2.2	3.5	5.4	6.7	8.2
110	2.7	4.2	6.6	8.1	10.0
125	3.1	4.8	7.4	9.2	11.4
140	3.5	5.4	8.3	10.3	12.7
160	4.0	6.2	9.5	11.8	14.6
200	4.9	7.7	11.9	14.7	18.2
225	5.5	8.6	13.4	16.6	20.5
250	6.2	9.6	14.8	18.4	22.7

## DIN 8062:2009 Metric Series

Nominal Outside Diameter (mm).	Nominal (minimum) Wall Thickness							
	Nominal Pressure PN based on safety factor (SF)=2.5							
	Series 25 SDR51 PN 4	Series 16.7 SDR 34.4 PN 6	Series 12.5 SDR 26 PN 8	Series 10 SDR 21 PN 10	Series 8 SDR 17 PN 12.5	Series 6.3 SDR 13.6 PN 16	Series 5 SDR 11 PN 20	Series 4 SDR 9 PN 25
20						1.5	1.9	2.3
25					1.5	1.9	2.3	2.8
32				1.6	1.9	2.4	2.9	3.6
40			1.6	1.9	2.4	3.0	3.7	4.5
50		1.5	2.0	2.4	3.0	3.7	4.6	5.6
63		1.9	2.5	3.0	3.8	4.7	5.8	7.1
75	1.5	2.2	2.9	3.6	4.5	5.6	6.8	8.4
90	1.8	2.7	3.5	4.3	5.4	6.7	8.2	10.1
110	2.2	3.2	4.2	5.3	6.6	8.1	10.0	12.3
125	2.5	3.7	4.8	6.0	7.4	9.2	11.4	14.0
140	2.8	4.1	5.4	6.7	8.3	10.3	12.7	15.7
160	3.2	4.7	6.2	7.7	9.5	11.8	14.6	17.9
200	3.9	5.9	7.7	9.6	11.9	14.7	18.2	22.4
225	4.4	6.6	8.6	10.8	13.4	16.6	20.5	25.2
250	4.9	7.3	9.6	11.9	14.8	18.4	22.7	27.9

# Pvc Duct & Conduit

## Pipe System



**ALGAWAS**  
Plastic Industries LLC

British Standard - BS 3506 - NEMA TC-2 - ANSI / UL651

# Duct & Conduit

For use in electrical, telephone, communication and other duct systems

Telephone Duct Pipe  
British Standard BPO

## British Standard Telephone Duct (B.P.O.)

Size (mm)	OD (mm)	Minimum	Wall (mm)
Duct 56	53.90		1.55
Duct 54D	96.50		3.25

Pipes can be supplied in 6.07 and 6.1m as per the standard or 6m length if required.

## BS 3506

Nominal Size	Outside Class Diameter		Average Value	Wall Thickness O (non pressure)	
	Min. mm	Max. mm		Min. mm	Max. mm
Inch			mm		
1 1/2	48.1	48.4	2.2	1.8	2.2
2	60.2	60.5	2.2	1.8	2.2
3	88.7	89.1	2.2	1.8	2.2
4	114.1	114.5	2.8	2.3	2.8
6	168.0	168.5	3.7	3.1	3.7
8	218.8	219.4	3.7	3.1	3.7
10	272.6	273.4	3.7	3.1	3.7

# Duct & Conduit

For use in electrical, telephone, communication and other duct systems

Duct & Conduit  
UL 651 Listed

## Duct and Conduit UL 651 Listed

Al Gawas Plastic Industries LCC, produces a range of upvc schedule 40 ducts in sizes 1/2" to 6" that are in accordance with NEMA TC-2A standard and listed to UL 651. The conduits are suitable for above or below ground installations and made from 100% virgin pvc resin. The ducts meet and exceed all the mechanical and performance requirement of both the NEMA TC2 and UL 651 standards.

### General Properties

- Fully compliant to NEMA TC-2 and UL 651
- Rated for use with 90oC conductors
- Ultraviolet protected
- High impact and deformation properties
- Solvent cement joints with deep sockets
- Can be supplied in various lengths such as 3m, 6m, 2.9m, 5.8m (standard leg lengths 3m, 6m)
- Smooth solid wall
- Produced under an ISO 9001:2008 Quality Assurance System

### Mechanical Properties

	ASTM	Typical Value
Specific Gravity	D792	1.4 - 1.7
Tensile Strength (psi) @ 73.4°F	D638	5,000
Izod Impact - ft lbs/in of notch	D256	0.65 - 1.50
Flexural Strength (psi)	D790	12,500
Comprehensive Strength (psi)	D695	9,000
Hardness (Durometer D)	D2240	95

### Thermal Properties

	ASTM	Typical Value
Coefficient of Thermal Expansion - in/in/ oC	D696	5.13 x 10-5
Coefficient of Thermal Expansion - in/in/ °F	D696	3.0 x 10-5
Deflection Temp. oF Under Load @ 264 psi	D648	140°F
Thermal Conductivity BTU (hr) (ft) (oF/in)	C177	1.3

### Fire Resistance Properties

	ASTM	Typical Value
Fire Resistance	-	Self Extinguishing
Flame Spread	E162	10
Smoke Development	E84	330

### Electrical Properties

	ASTM	Typical Value
Dielectric Strength - volts/mil	D149	1,100
Dielectric Constant 60 CPS @ 30°C	D150	4.00
Power Factor 60 CPS @ 30°C	D150	1.93

# Duct & Conduit

For use in electrical, telephone,  
communication and other duct systems

Duct & Conduit  
UL 651 Listed

## NEMA TC-2 AND ANSI / UL651 Sizes and Dimensions of PVC Conduit

U.S. Customary Units				
Nominal Size Inches	Outside Diameter, Average	Wall Thickness, Inches EPC-40-PVC		Socket Insertion Depth Inches
		Maximum	Minimum	
1 1/4	1.660+0.005	0.160	0.140	15/16 - 2
1 1/2	1.900+0.006	0.165	0.145	1 1/6 - 2
2	2.375+0.006	0.174	0.154	1 1/8 - 2
2 1/2	2.875+0.007	0.227	0.203	1 1/2 - 3
3	3.500+0.008	0.242	0.216	1 5/8 - 3 1/8
3 1/2	4.000+0.008	0.253	0.226	1 11/16 - 3 1/4
4	4.500+0.009	0.265	0.237	1 3/4 - 3 3/8
5	5.563+0.010	0.289	0.258	1 15/16 - 3 5/8
6	6.625+0.011	0.314	0.280	2 1/8 - 3 3/4

Metric Units				
Nominal Size Inches	Outside Diameter, Average	Wall Thickness, Inches EPC-40-PVC		Socket Insertion Depth Inches
		Maximum	Minimum	
1 1/4	42.15+0.13	4.06	3.56	23.8 - 50.8
1 1/2	48.26+0.15	4.19	3.68	27.0 - 50.8
2	60.32+0.15	4.42	3.91	28.6 - 50.8
2 1/2	73.02+0.18	5.77	5.16	38.1 - 76.2
3	88.90+0.20	6.15	5.49	41.3 - 79.4
3 1/2	101.60+0.20	6.43	5.74	42.9 - 82.6
4	114.30+0.23	6.73	6.02	44.5 - 85.7
5	141.30+0.25	7.34	6.55	49.2 - 92.1
6	168.28+0.28	7.98	7.11	54.0 - 95.3

# Drainage Pipe System

British Standard



**ALGAWAS**  
Plastic Industries LLC

BS EN 1329 - BS EN 1401 - BS 5255 - BS 4514 - BS 4660 - BS 5481



## Drainage Pipe System

Al Gawas Plastic Industries produces a range of UPVC pipes for above and below ground use made from virgin UPVC. The pipes are produced in all the major international standards ie: European Standards BS EN 1401, BS EN 1329, as well as the previous standards such as BS 5255, BS 4514, BS 4660, BS 5481. A range complying to ASTM D2655 Sch 40/80 is also available on request. Al Gawas Plastic Industries's drainage pipe system range from 1 1/4" to 10".

### General Properties of Al Gawas Plastic Drain Pipes:

- Fully compliant to the main International Standards Tough, impact resistant
- Different lengths available 3m, 2.9m, 6m, 5.8m. Other lengths on request.
- Distinctive colour coded system (ie Light Grey, Brown, White, etc.) with full printing at 1m intervals
- Superior chemical and acid resistance
- Outstanding mechanical properties of tensile strength and resistance to pressure.

### BS 5255 - BS 4514 - BS 4660 - BS 5481

Code	Nominal OD mm(inch)	Minimum OD mm Thickness	Minimum Wall mm	Colour
<b>BS 5255 WASTE</b>				
DR-125	36 (1 1/4")	36.15	1.8	LG
DR-15	43 (1 1/2")	42.75	1.9	LG
DR-2 (50)*	50 (2")	50.00	2.0	LG
DR-2(55)	55 (2")	55.75	2.0	LG
<b>BS 4514 SOIL</b>				
DR-3/LG	82 (3")	82.40	3.0	LG
DR-4/LG	110 (4")	110.00	3.2	LG
DR-6/LG	160 (6")	160.00	3.2	LG
<b>BS 4660 UNDERGROUND</b>				
DR-4/BR	110 (4")	110.00	3.2	BR
DR-6/BR	160 (6")	160.00	4.1	BR
<b>BS 5481 GRAVITY SEWER</b>				
DR-8/BR	200 (8")	200.00	4.9	BR
DR-10/BR	250 (10")	250.00	6.1	BR

## Mechanical & Physical Characteristics

Characteristics	Requirement	Test Method
Impact Resistance	TIR ≤ 10%	EN 744
Vicat Softening	≥ 79°C	EN 727
Longitudinal Reversion	≤ 5%	EN 743
Dichloromethane Acid Resistance	No attack	EN 580
Elevated Temp. Cycling	No leakage	EN 1055
Long Term Performance of TPE Seals	1. 90 days ≥ 1.3 bar 2. 100 years ≥ 0.6 bar	prEN 1989
Resistance to Internal Pressure	No failure during the test 10.0MPa for 1000 hours, at 60°C	EN 921

### BS EN 1329-1:2000

Dimensions in millimeters

Nominal Size DN/OD	Nominal OD	Mean Outside Diameter		Wall Thickness Application Area "B"	
		(dem, min)	(dem, max)	(e, min)	(e, max)
36 (1 1/4")	36	36.2	36.5	3.0	3.5
43 (1 1/2")	43	42.8	43.1	3.0	3.5
56 (2")	56	55.8	56.1	3.0	3.5
82 (3")	82	82.0	82.3	3.0	3.5
110 (4")	110	110.0	110.30	3.2	3.8
160 (6")	160	160.0	160.40	3.2	3.8
200 (8")	200	200.0	200.5	3.9	4.5
250 (10")	250	250.0	250.5	4.9	5.6

N.B. Application area "B" for components intended to be used above ground inside the building or outside building fixed to a wall.

### BS EN 1329-1:2000

Dimensions in millimeters

Nominal Size DN/OD	Nominal OD	Mean Outside Diameter	
		(dem, min)	(dem, max)
110 (4")	110	110.0	110.3
160 (6")	160	160.0	160.4
200 (8")	200	200.0	200.5
250 (10")	250	250.0	250.5

## Specifications

Standards :	BS 5255 - Light Grey; BS 4514 - Light Grey; BS 4660 - Brown
Material :	uPVC Resin
Joints :	Female solvent weld sockets
Temp Range :	0°C - 80°C (for intermittent discharge)
Tensile Strength :	Min. 45 N/mm <sup>2</sup>



## Characteristics of Pipes BS EN 1329, BS EN 1401

### Compound Characteristics:

The compounds used in Al Gawas Plastic pipes conforming to the standards have the following characteristics.

Modulus of Elasticity	=	$E (I \text{ min}) \geq 3000 \text{ mPa}$
Average Density	=	1.4 g/cm <sup>3</sup>
Average Coefficient of Linear Thermal Expansion	=	0.8mm/mK
Thermal Conductivity	=	0.16 WK <sup>-1</sup> m <sup>-1</sup>
Surface Resistance	=	> 10 <sup>12</sup> Ω

### Raw Material

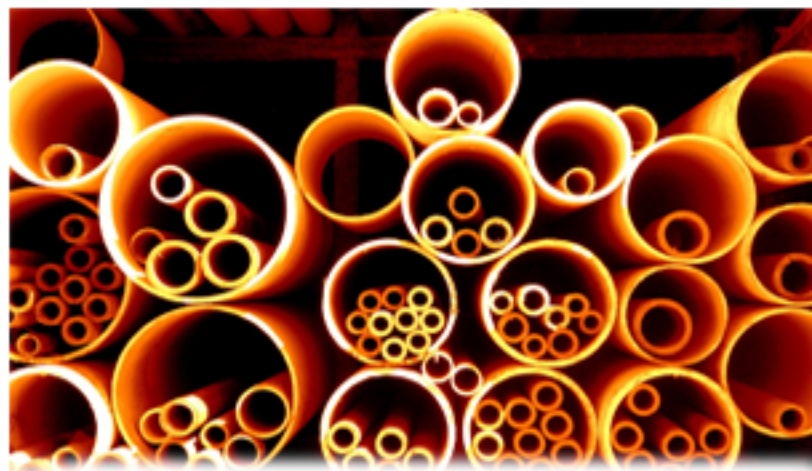
The raw material is PVC-U resin.

### Colour

BS EN 1329-1:2000 v Light Grey  
BS EN 1401-1:1998 v Orange Brown

### Length

Pipes are normally supplied in 6m overall length. Pipes can also be supplied in 5.8m overall length to fit inside containers. Sizes 36, 43 and 56mm are supplied in 4m overall length with plain ends.



# Certification

ISO 9001:2008 Quality Management

**Worldwide Supplier of Quality Piping Solutions  
Since 1998**



**Certified by:**



All Information in this catalogue is correct to our best knowledge at the time of preparation. However we reserve the rights to alter, amend and update any products, informations and services described in this catalogue

# AL GAWAS

plastic piping system & solutions



## Reach Us

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