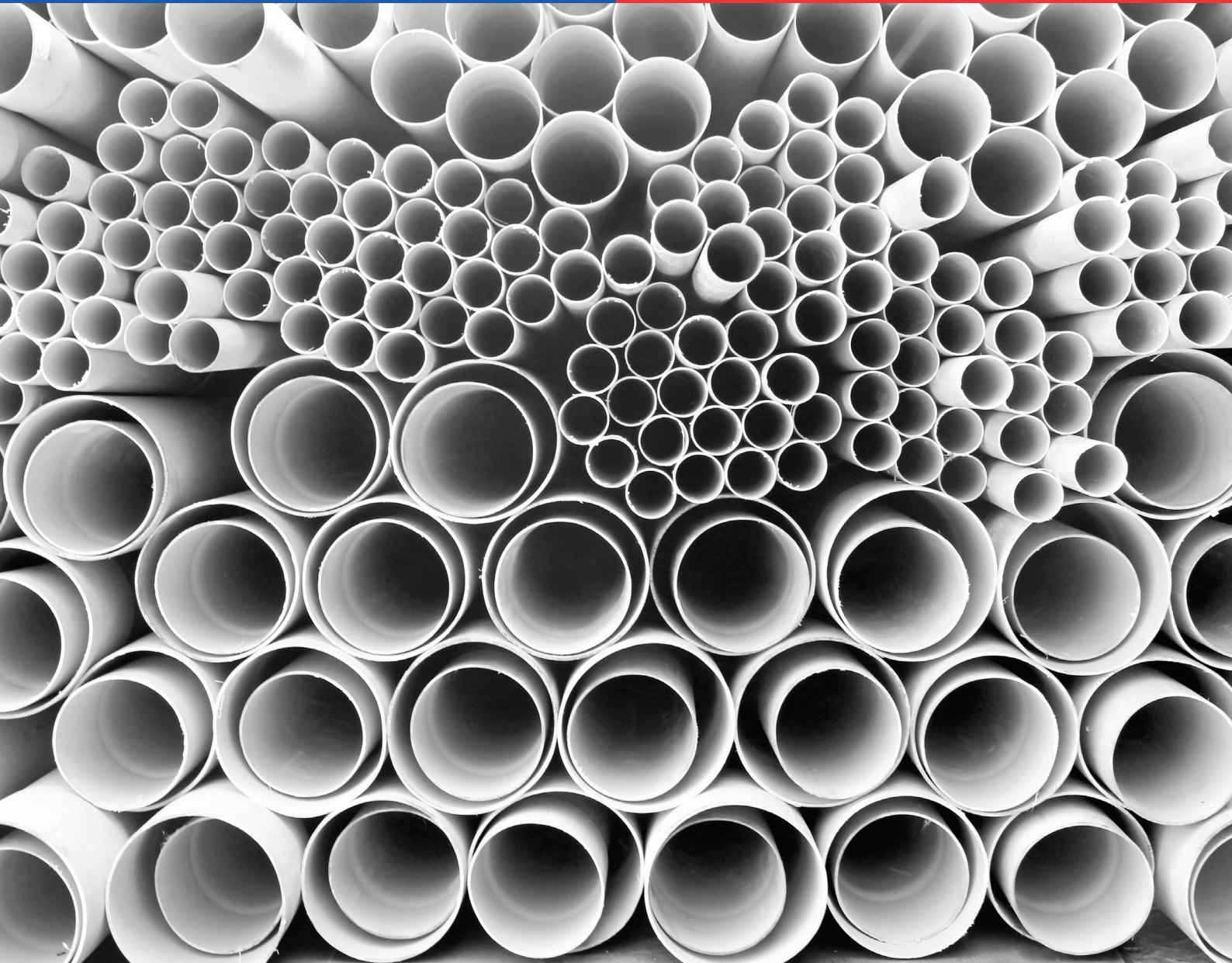




UNPLASTICIZED
POLYVINYL CHLORIDE
uPVC SYSTEMS
Product Catalogue



almona SEWAGE & DRAINAGE



Only products bearing the NSF, SASO, WRAS, DVGW and SKZ Mark are certified by those organizations.

almonaplast.com

ABOUT US

Almona is a leading Saudi Arabian plastic pipe manufacturing company and since our establishment in 2008 we have constantly evolved to meet the requirements of our most demanding customers. Our aim is to provide sophisticated and diverse pipe solutions for hot and cold water applications, telecommunication networks, sewage and drainage systems together with water and gas infrastructure.

We are a certified to ISO 9001:2015 Quality Management Systems organization and all our products comply with the appropriate Saudi (SASO), German (DIN) and International (ISO) Standards. Our pipe systems for drinking water applications are NSF-61, WRAS and DVGW certified and all Almona products are tested extensively in our state-of-the-art laboratory, to ensure that the quality and performance are continuously maintained.

Almona's success is the result of the company's persistent commitment to continuous innovation and investment in technology, in the relentless pursuit of providing quality products and services. Today, we are pleased to offer a wide range of plastic products, divided into four categories:



BUILDINGS



SEWAGE AND DRAINAGE



INFRASTRUCTURE



TELECOMMUNICATION DUCTING

// WE DESIGN, DEVELOP, MANUFACTURE AND PROVIDE INNOVATIVE PIPE SOLUTIONS THAT BEST MEET THE NEEDS OF OUR CUSTOMERS //

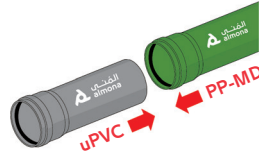
CHARACTERISTICS OF almona uPVC SYSTEMS

Installation	Underground, inside and outside buildings.
Area of applications	<ul style="list-style-type: none">• Solid, waste & drainage systems• Water supply networks• Irrigation systems• Slurry transport line for mining industry• Rainwater and agriculture systems• Chemical transport lines• Telecommunication and electrical ducts
Colors	<ul style="list-style-type: none">• uPVC white pipes (approximately RAL 1013)• uPVC dusty grey pipes (approximately RAL 7037)• uPVC orange brown pipes (approximately RAL 8023)
Pipe Technology	single layer technology
Joining Technology	<p>PP-MD Push-Fit with innovative 3-lip elastomeric rubber seal</p> <ul style="list-style-type: none">• Tensioning and retaining lip prevent dirt build-up between the pipe wall and the rubber gasket and stop the rubber gasket from being pressed out or rolling during push fit connection.• Wiping lip keep back any dirt on the pipe during the connection.• Sealing lip assures a durable long-term connection. <p>Solvent (cement) jointing</p>

ADVANTAGES OF almona uPVC SYSTEMS



High stiffness
suitable for sewage
and drainage
networks



Easy connection to
other systems such
as PP-MD without
transition fittings



UV resistant
suitable for outdoor
applications



Fire resistant
suitable for above
ground applications



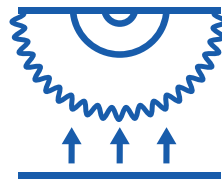
**Fast and easy
installation** due to
advanced welding
technologies



Leak free
due to advanced
welding technologies



**Low electrical
conductivity** suitable for
electrical cable conduits



Abrasion resistance
suitable for slurry lines



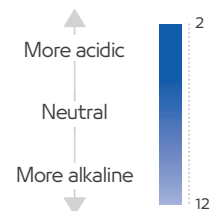
Ease of maintenance
easy repaired
at low cost



Light weight
compared to
conventional pipes



Corrosion free system
suitable for severe climatic
and soil conditions



Chemical resistance
ranging from pH2
to pH12

PRODUCT RANGE

Pipes

uPVC non-pressure pipes for sewerage and drainage systems

almona uPVC non-pressure pipes for drain, solid waste and ventilation according to DIN EN1329, SASO ISO3633

Material	uPVC
Jointing	Solvent weld from sizes 25mm up to 315mm Rubber seal ring from sizes 75mm up to 315mm
Color	White, grey and orange brown
Length	4, 5,8 and 6 meters Different lengths can be supplied on request

Pipe nominal size mm	Nominal outside diameter d (mm)	Inside building b		Inside building and buried within the building structure BD	
		Wall thickness S _{min} (mm)	Wall thickness S _{max} (mm)	Wall thickness S _{min} (mm)	Wall thickness S _{max} (mm)
25	25	3,0	3,5	-	-
32	32	3,0	3,5	-	-
40	40	3,0	3,5	-	-
50	50	3,0	3,5	-	-
63	63	3,0	3,5	-	-
75	75	3,0	3,5	3,0	3,5
80	80	3,0	3,5	3,0	3,5
82	82	3,0	3,5	3,0	3,5
90	90	3,0	3,5	3,0	3,5
100	100	3,0	3,5	3,0	3,5
110	110	3,2	3,8	3,2	3,8
125	125	3,2	3,8	3,2	3,8
140	140	3,2	3,8	3,5	4,1
160	160	3,2	3,8	4,0	4,6
180	180	3,6	4,2	4,4	5,0
200	200	3,9	4,5	4,9	5,6
250	250	4,9	5,6	6,2	7,1

almona uPVC non-pressure pipes for underground sewerage and drainage according to DIN EN1401

Material	uPVC
Joining	Rubber seal ring from sizes 100mm up to 250mm
Color	White, grey and orange brown 4, 5,8 and 6 meters
Length	Different lengths can be supplied on request

Pipe nominal size mm	Nominal outside diameter d (mm)	SN2 SDR51*		SN4 SDR41		SN8 SDR34	
		S _{min} (mm)	S _{max} (mm)	S _{min} (mm)	S _{max} (mm)	S _{min} (mm)	S _{max} (mm)
110	110	-	-	3,2	3,8	3,2	3,8
125	125	-	-	3,2	3,8	3,7	4,3
160	160	3,2	3,8	4,0	4,6	4,7	5,4
200	200	3,9	4,5	4,9	5,6	5,9	6,7
250	250	4,9	5,6	6,2	7,1	7,3	8,3

uPVC pressure pipes for sewerage and drainage systems

almona uPVC pressure pipes according to SASO ISO1452, C=2.5

Material	uPVC
Design safety coefficient	C=2.5
Joining	Solvent weld from sizes 25mm up to 250mm
Color	White, grey and orange brown 4, 5,8 and 6 meters
Length	Different lengths can be supplied on request

Pipe nominal size mm	Nominal outside diameter d (mm)	S16,7 SDR34,4 PN6	S16 SDR33 PN6	S12,5 SDR26 PN8	S10 SDR21 PN10	S8 SDR17 PN12,5	S6.3 SDR13,6 PN16	S5 SDR11 PN20
		Min. Wall thickness S _{min} (mm)	Min. Wall thickness S _{min} (mm)	Min. Wall thickness S _{min} (mm)	Min. Wall thickness S _{min} (mm)	Min. Wall thickness S _{min} (mm)	Min. Wall thickness S _{min} (mm)	Min. Wall thickness S _{min} (mm)
25	25,0	-	-	-	-	1,5	1,9	2,3
32	32,0	-	-	1,5	1,6	1,9	2,4	2,9
40	40,0	-	1,5	1,6	1,9	2,4	3,0	3,7
50	50,0	1,5	1,6	2,0	2,4	3,0	3,7	4,6
63	63,0	1,9	2,0	2,5	2,5	3,8	4,7	5,8
75	75,0	2,2	2,3	2,9	2,9	4,5	5,6	6,8
90	90,0	2,7	2,8	3,5	3,5	5,4	6,7	8,2

almona uPVC pressure pipes according to SASO ISO1452, C=2.0

Material	uPVC
Design safety coefficient	C=2
Joining	Solvent weld from sizes 25mm up to 250mm
Color	White, grey and orange brown 4, 5.8 and 6 meters
Length	Different lengths can be supplied on request

Pipe nominal size mm	Nominal outside diameter d (mm)	S20	S16,7	S16	S12,5	S10	S8	S6,3	S5
		SDR41 PN6	SDR34,4 PN7,5	SDR33 PN8	SDR26 PN10	SDR21 PN12,5	SDR17 PN16	SDR13,6 PN20	SDR11 PN25
		Min. Wall thickness Smin (mm)	Min. Wall thickness Smin (mm)	Min. Wall thickness Smin (mm)	Min. Wall thickness Smin (mm)	Min. Wall thickness Smin (mm)	Min. Wall thickness Smin (mm)	Min. Wall thickness Smin (mm)	Min. Wall thickness Smin (mm)
110	110,0	2,7	3,2	3,4	4,2	5,3	6,6	8,1	10,0
125	125,0	3,1	3,7	3,9	4,8	6,0	7,4	9,2	11,4
140	140,0	3,5	4,1	4,3	5,4	6,7	8,3	10,3	12,7
160	160,0	4,0	4,7	4,9	6,2	7,7	9,5	11,8	14,6
180	180,0	4,4	5,3	5,5	6,9	8,6	10,7	13,3	16,4
200	200,0	4,9	5,9	6,2	7,7	9,6	11,9	14,7	18,2
225	225,0	5,5	6,6	6,9	8,6	10,8	13,4	16,6	-
250	250,0	6,2	7,3	7,7	9,6	11,9	14,8	18,4	-

almona uPVC pressure pipes for according to SASO ISO1452 (imperial sizes)

Material	uPVC
Joining	Solvent weld from sizes from 1 inch up to 8 inch
Color	White, grey and orange brown 4, 5.8 and 6 meters
Length	Different lengths can be supplied on request Standard dimension ration = outside diameter/wall thickness

Pipe nominal size inch	Mean outside diameter		Wall thickness (mm), Pressure rating (PSI)					
			PN9		PN12		PN15	
	dmin mm	dmax mm	Smin mm	Smax mm	Smin mm	Smax mm	Smin mm	Smax mm
1	33,4	33,7	-	-	-	-	2,2	2,8
1 ¼	42,1	42,4	-	-	2,2	2,7	2,7	3,3
1 ½	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	7,4	7,3	8,4
6	168,0	168,5	6,6	7,6	8,8	10,4	10,8	12,5
8	218,8	219,5	7,8	9,0	10,3	11,9	12,6	14,5

almona uPVC pressure pipes according to DIN8061/8062, ISO161-1 and SASO14/15

Material	uPVC
Joining	Solvent weld from sizes 25mm up to 250mm
Color	White, grey and orange brown 4, 5.8 and 6 meters
Length	Different lengths can be supplied on request

Pipe nominal size mm	Mean outside diameter		Class 1 2 BAR		Class 2 4 BAR/ PN4		Class 3 6 BAR/ PN6		Class 4 10 BAR/ PN10		Class 5 16 BAR/ PN16	
			Min. wall thickness	Min. wall thickness	Min. wall thickness	Min. wall thickness	Min. wall thickness	Min. wall thickness	Min. wall thickness	Min. wall thickness		
	dmin mm	dmax mm	Smin mm	Smax mm	Smin mm	Smax mm	Smin mm	Smax mm	Smin mm	Smax mm	Smin mm	Smax mm
25	25,0	25,2	-	-	-	-	-	-	-	-	1,9	2,3
32	32,0	32,2	-	-	-	-	-	-	1,6	2,0	2,4	2,9
40	40,0	40,2	-	-	-	-	-	-	1,9	2,3	3,0	3,6
50	50,0	50,2	-	-	-	-	1,5	1,9	2,4	2,9	3,7	4,3
63	63,0	63,2	-	-	-	-	1,9	2,3	3,0	3,6	4,7	5,4
75	75,0	75,3	-	-	1,5	1,9	2,2	2,7	3,6	4,2	5,6	6,4
90	90,0	90,3	-	-	1,8	2,2	2,7	3,2	4,3	5,0	6,7	7,6
110	110,0	110,4	1,8	2,2	2,2	2,7	3,1	3,8	5,3	6,1	8,1	9,2
125	125,0	125,4	1,8	2,2	2,5	2,9	3,7	4,1	6,0	6,4	9,3	9,7
140	140,0	140,4	1,8	2,2	2,8	3,2	4,1	4,6	6,7	7,2	10,4	11,0
160	160,0	160,5	1,8	2,2	3,2	3,8	4,7	5,4	7,7	8,7	11,8	13,2
200	200,0	200,6	1,8	2,2	4,0	4,6	5,9	6,7	9,6	10,8	14,7	16,4
225	225,0	225,7	1,8	2,2	4,4	5,1	6,6	7,5	10,8	12,1	16,6	18,5
250	250,0	250,8	2,0	2,4	4,9	5,6	7,3	8,3	11,9	13,3	18,4	20,5

almona uPVC pressure pipes according to ASTM D2241

Material	uPVC
Joining	Solvent weld from sizes from ½ inch up to 8 inch
Color	White, grey and orange brown 4, 5.8 and 6 meters
Length	Different lengths can be supplied on request Standard dimension ration (SDR) = outside diameter/wall thickness

Pipe nominal size inch	Mean outside diameter		SDR41 100psi		SDR32,5 125psi		SDR26 160psi		SDR21 200psi		SDR17 250psi		SDR13,5 315psi	
	dmin mm	dmax mm	Smin mm	Smax mm	Smin mm	Smax mm	Smin mm	Smax mm	Smin mm	Smax mm	Smin mm	Smax mm	Smin mm	Smax mm
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
1	33,27	33,53	-	-	-	-	1,52	2,03	1,60	2,11	1,96	2,46	2,46	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	3,60
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
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
2 ½	72,84	73,2	-	-	2,23	2,74	2,79	3,30	3,48	4,0	4,29	4,80	5,41	6,07
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
4	114,07	114,53	2,80	3,30	3,51	4,01	4,39	4,90	5,44	6,10	6,73	7,52	8,46	9,47
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
8	218,70	219,46	5,33	5,97	6,73	7,54	8,43	9,45	10,41	11,66	12,90	15,45	-	-

almona uPVC pressure pipes according to ASTM D1785: SCHEDULE 40 & 80

Material	uPVC
Joining	Solvent weld from sizes from 1/2 inch up to 8 inch
Color	White, grey and orange brown 4, 5.8 and 6 meters
Length	Different lengths can be supplied on request Standard dimension ration = outside diameter/wall thickness

Pipe nominal size inch	Mean outside diameter		Wall thickness (mm), Pressure rating (PSI)					
			SCHEDULE 40			SCHEDULE 80		
			Smin mm	Smax mm	Pressure PSI	Smin mm	Smax mm	Pressure PSI
1/2	21,24	21,44	2,77	3,28	600	3,73	4,24	850
3/4	26,57	26,77	2,87	3,38	480	3,91	4,42	690
1	33,27	33,53	3,38	3,89	450	4,55	5,08	630
1 1/4	42,03	42,29	3,56	4,06	370	4,85	5,44	520
1 1/2	48,11	48,41	3,68	4,19	330	5,08	5,69	470
2	60,17	60,47	3,91	4,42	280	5,54	6,20	400
2 1/2	72,84	73,2	5,16	5,77	300	7,01	7,85	420
3	88,70	89,10	5,49	6,15	260	7,62	8,53	370
4	114,07	114,53	6,02	6,73	220	8,56	9,58	320
6	168,00	168,56	7,11	7,98	180	10,97	12,29	280
8	218,70	219,46	8,18	9,17	160	12,70	14,22	250

Fittings

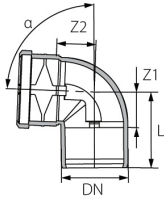
Almona Orange Rubber Push Fittings According to DIN 14758-1, EN 1401-1

Material **Mineral Reinforced Polypropylene (PP-MD)**

Joining Push-fit, 3 lips elastomeric rubber seal

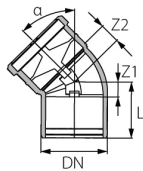
Color Orange brawn

Bend 87,5°



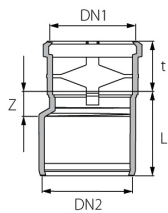
Code	DN (mm)	L (mm)	Z1 (mm)	Z2 (mm)
40702/ORG	50	97	39	52
40704/ORG	75	125	60	69
40706/ORG	110	158	82	93
40709/ORG	160	195	95	108

Bend 45°



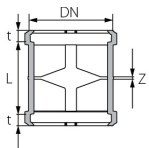
Code	DN (mm)	L (mm)	Z1 (mm)	Z2 (mm)
40715/ORG	50	75	17	27
40717/ORG	75	86	21	33
40719/ORG	110	110	34	41
40722/ORG	160	149	49	59

Reducer



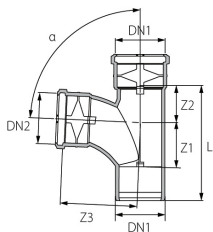
Code	DN 1 (mm)	DN 2 (mm)	L (mm)	t (mm)	Z (mm)
40726/ORG	32	50			
40727/ORG	50	75			
40728/ORG	50	110			
40729/ORG	75	110			
40730/ORG	110	160	44	69	151

Double Socket



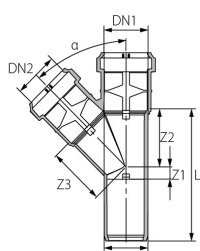
Code	DN (mm)	L (mm)	t (mm)	Z (mm)
40733/ORG	50	65	20	3
40735/ORG	75	75	22	3
40737/ORG	110	85	28	3
40740/ORG	160	108	38	4

Tee 87,5°



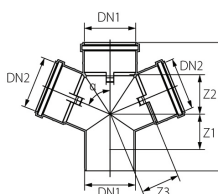
Code	DN 1 (mm)	DN 2 (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)	L (mm)
40746/ORG	50	50	38	40	83	136
40748/ORG	75	75	60	54	105	179
40750/ORG	110	110	82	73	134	231
40751/ORG	110	50	82	73	134	231
40752/ORG	110	75	82	73	134	231
40754/ORG	160	110	72	78	136	250
40753/ORG	160	160	95	103	155	298

Branch 45°



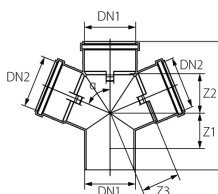
Code	DN 1 (mm)	DN 2 (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)	L (mm)
40759/ORG	50	50	16	68	68	142
40761/ORG	75	75	26	98	98	189
40763/ORG	110	110	34	141	141	251
40764/ORG	110	50	34	141	141	251
40765/ORG	110	75	34	141	141	251
40767/ORG	160	110	19	171	175	290
40766/ORG	160	160	53	205	205	358

Double Branch 45°



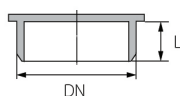
Code	DN 1 (mm)	DN 2 (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)	L (mm)
40776/ORG	110	110	34	141	141	320

Double Branch 87.5°



Code	DN 1 (mm)	DN 2 (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)	L (mm)
40789/ORG	110	110	82	73	93	300

End Cap



Code	DN (mm)	L (mm)
40802/ORG	110	50
40805/ORG	160	70

almona uPVC solvent welding fittings according to DIN8061 and DIN8062 (metric sizes)

Material **uPVC**
 Jointing Solvent weld
 Color White, grey and orange brown

Tee Branch



Size

50 mm
 75 mm
 110 mm
 160 mm

Elbow 90°



Size

50 mm
 75 mm
 110 mm
 160 mm

Elbow 45°



Size

50 mm
 75 mm
 110 mm
 160 mm

Y-Branch



Size

50 mm
 75 mm
 110 mm
 160 mm

Coupling



Size

50 mm
 75 mm
 110 mm
 160 mm

Reducer Bush



Size

75x50 mm
 110x75 mm
 160x110 mm

Reducer



Size

110x4"
 160x6"
 75x3"
 50x2"

Tee Reducer



Size

75x50 mm
 110x75 mm
 110x50 mm
 160x110 mm

Y Reducer



Size

75x50 mm
 110x75 mm
 110x50 mm
 160x110 mm

Access Tee



Size

110 mm

Access Elbow 90°



Size

110 mm

Roof Vent



Size

110 mm

almona uPVC fittings according to ASTM D2241 (imperial sizes)

Material **uPVC**
 Jointing Solvent weld
 Color White, grey and orange brown

Tee Branch



Size

3/4"
 1"
 1 1/2"
 2"
 4"
 6"

Elbow 90°



Size

3/4"
 1"
 1 1/2"
 2"
 4"
 6"

Elbow 45°



Size

3/4"
 1"
 1 1/2"
 2"
 4"
 6"

Y-Branch



Size

1 1/2"
 2"
 3"
 4"
 6"

Coupling



Size

1/2"
 3/4"
 1"
 1 1/4"
 1 1/2"
 2"
 3"
 4"
 6"

Reducer Bush



Size

6"x4"
 6"x3"
 4"x3"
 4"x2"
 3"x2"
 3"x1 1/2"
 2"x1 1/2"
 2"x1 1/4"
 1 1/2"x1 1/4"
 1 1/2"x1"
 1 1/4"x1"
 1 1/4"x 3/4"
 1"x 3/4"
 1"x 1/2"
 3/4"x 1/2"

Reducer



Size

110x4"
 160x6"
 75x3"
 50x2"

Y Reducer



Size

3"x2"
 4"x2"
 4"x3"
 6"x4"

Tee Reducer



Size

3"x2"
 4"x2"
 4"x3"
 6"x4"

Access Tee



Size

4"

Access Elbow 90°



Size

4"

Roof Vent



Size

4"

Cross Tee



Size

4"

6"

P-Trap



Size

2"

3"

4"



Saudi made

صنع بالسعودية



High quality

جودة عالية



almonaplast.com



T +966 11 410 2326
E info@almonaplast.com

P.O. Box: 270736 Riyadh 11352
Kingdom of Saudi Arabia

شركة مصنع المنى للمنتجات البلاستيكية
Almona Plastic Products Ltd. Co.