

ABOUT US

Borouge Najd is a leading Saudi Arabian plastic pipe manufacturer since our establishment in 2020 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 Quality Management Systems organization and all our products comply with the appropriate World International (ISO) Standards.

Our products are tested extensively in our state-of-the-art laboratory, to ensure that the quality and performance are continuously maintained.

Our 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:

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

CHARACTERISTICS OF borougenajd 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 borougenajd uPVC SYSTEMS



High stiffness
suitable for sewage
and drainage
networks



UV resistant
suitable for outdoor
applications



Fire resistant
suitable for above
ground applications



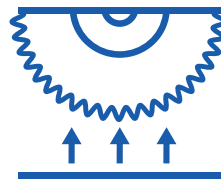
**Fast and easy
installation** due to
advanced welding
technologies



Leak free
due to advanced
welding technologies



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



Abrasion resistance
suitable for slurry lines



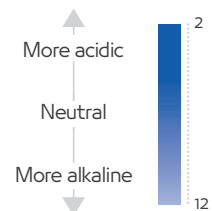
Ease of maintenance
easy repaired
at low cost



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

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

Material	uPVC
Joining	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

borougenajd 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

borougenajd 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

borougenajd 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 SDR41 PN6 Min. Wall thickness Smin (mm)	S16,7 SDR34,4 PN7,5 Min. Wall thickness Smin (mm)	S16 SDR33 PN8 Min. Wall thickness Smin (mm)	S12,5 SDR26 PN10 Min. Wall thickness Smin (mm)	S10 SDR21 PN12,5 Min. Wall thickness Smin (mm)	S8 SDR17 PN16 Min. Wall thickness Smin (mm)	S6,3 SDR13,6 PN20 Min. Wall thickness Smin (mm)	S5 SDR11 PN25 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	-

borougenajd uPVC pressure pipes for according to SASO and ISO

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 ratio = outside diameter/wall thickness

Pipe nominal size inch	Mean outside diameter		Wall thickness (mm), Pressure rating (PSI)					
	dmin mm	dmax mm	PN9		PN12		PN15	
			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

borougenajd 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	
	dmin mm	dmax mm	Min. wall thickness Smin mm	Min. wall thickness Smax mm	Min. wall thickness Smin mm	Min. wall thickness Smax mm	Min. wall thickness Smin mm	Min. wall thickness Smax mm	Min. wall thickness Smin mm	Min. wall thickness Smax mm	Min. wall thickness Smin mm	Min. wall thickness 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

borougenajd 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	-	-

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

Material	uPVC
Jointing	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 = outside diameter/wall thickness

Pipe nominal size inch	Mean outside diameter		Wall thickness (mm), Pressure rating (PSI)					
			SCHEDULE 40			SCHEDULE 80		
	dmin mm	dmax mm	Smin mm	Smax mm	Pressure PSI	Smin mm	Smax mm	Pressure PSI
½	21,24	21,44	2,77	3,28	600	3,73	4,24	850
¾	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 ¼	42,03	42,29	3,56	4,06	370	4,85	5,44	520
1 ½	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 ½	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

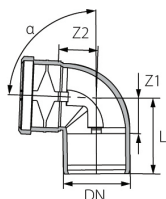
borougenajd push fit PP-MD fittings according to DIN EN1401 and DIN EN14758 (metric sizes)

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

Jointing Push-fit, 3 lips elastomeric rubber seal

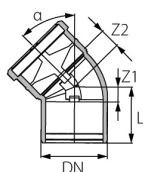
Color Orange brawn

Bend 87,5°



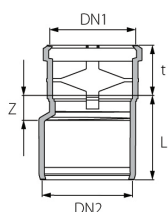
Code	DN (mm)	L (mm)	Z1 (mm)	Z2 (mm)
	50	97	39	52
	75	125	60	69
	110	158	82	93
	160	195	95	108

Bend 45°



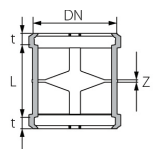
Code	DN (mm)	L (mm)	Z1 (mm)	Z2 (mm)
	50	75	17	27
	75	86	21	33
	110	110	34	41
	160	149	49	59

Reducer

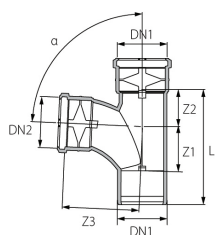


Code	DN 1 (mm)	DN 2 (mm)	L (mm)	t (mm)	Z (mm)
	32	50			
	50	75			
	50	110			
	75	110			
	110	160	44	69	151

Double Socket

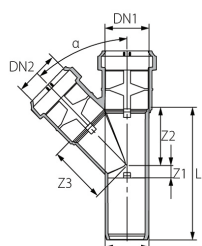


Code	DN (mm)	L (mm)	t (mm)	Z (mm)
	50	65	20	3
	75	75	22	3
	110	85	28	3
	160	108	38	4



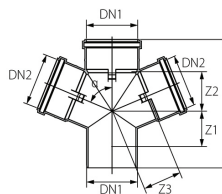
Tee 87,5°

Code	DN 1 (mm)	DN 2 (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)	L (mm)
	50	50	38	40	83	136
	75	75	60	54	105	179
	110	110	82	73	134	231
	160	110	72	78	136	250
	160	160	95	103	155	298



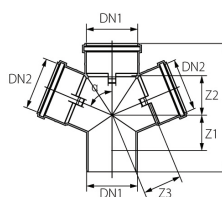
Branch 45°

Code	DN 1 (mm)	DN 2 (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)	L (mm)
	50	50	16	68	68	142
	75	75	26	98	98	189
	110	110	34	141	141	251
	160	110	19	171	175	290
	160	160	53	205	205	358



Double Branch 45°

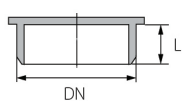
Code	DN 1 (mm)	DN 2 (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)	L (mm)
	110	110	34	141	141	320



Double Branch 87.5°

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

End Cap



Code	DN (mm)	L (mm)
	110	50
	160	70

borougenajd 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

50mm
75mm
110mm
160mm

Elbow 90°



Size

50mm
75mm
110mm
160mm

Elbow 45°



Size

50mm
75mm
110mm
160mm

Y-Branch



Size

50mm
75mm
110mm
160mm

Coupling



Size

50mm
75mm
110mm
160mm

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

110mm

Access Elbow 90°



Size

110mm

Roof Vent



Size

110mm

borougenajd uPVC fittings according to ASTM D2241(imperial sizes)

Material	uPVC
Joining	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

بروج نجد
Borouge Najd

رؤية
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