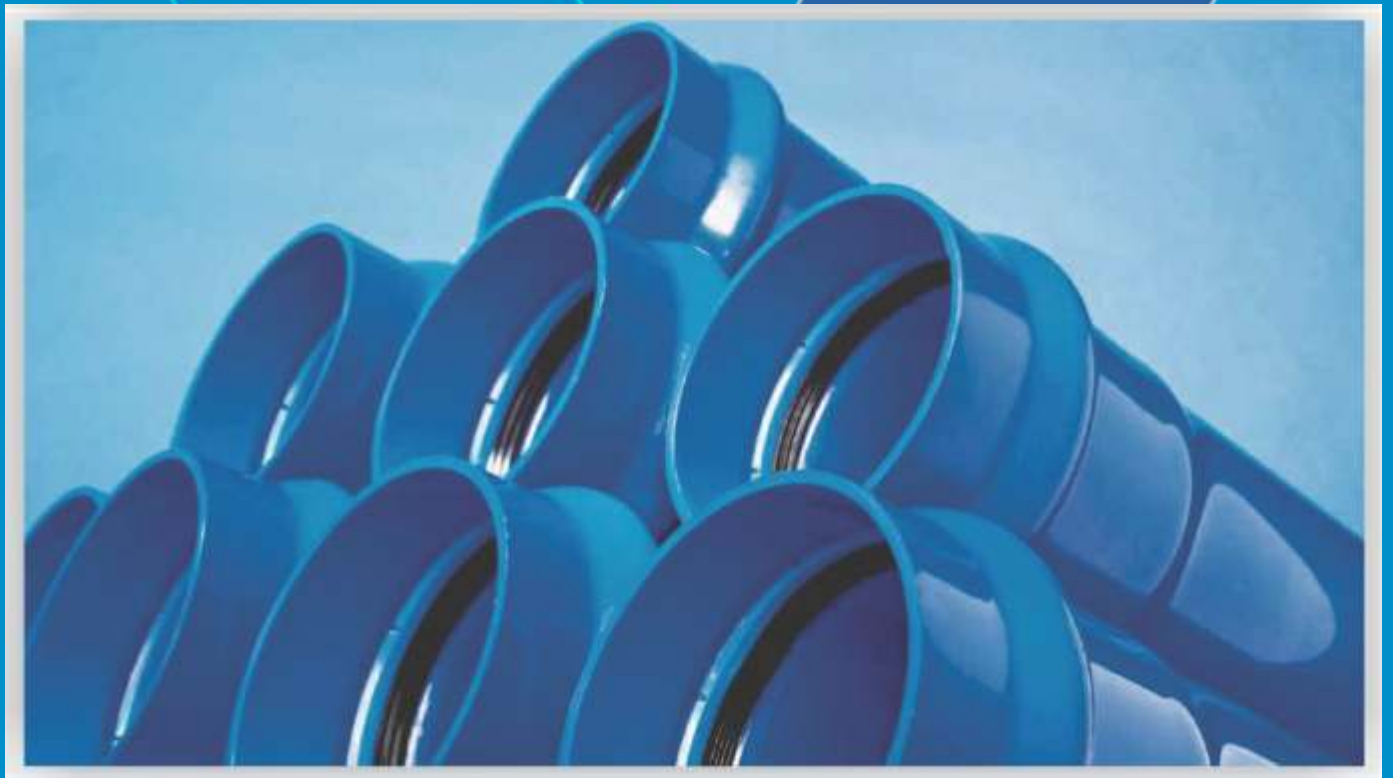


reXus



HDPE & PVC PIPE

Suppliers of PVC and HDPE Pipe and Related Pipeline Products

PVC and HDPE Pipe

REXUS has emerged as one of the largest suppliers of PVC and HDPE pipe. These materials are supplied as part of a comprehensive offering. A polyvinyl chloride pipe is made from a plastic and vinyl combination material making it durable, hard to damage, and long lasting. A PVC pipe does not rust, rot, or wear over time. For that reason PVC piping is most commonly used in water systems and sewer lines.

High Density Polyethylene (HDPE) is suitable for potable water, wastewater, slurries, chemicals, hazardous wastes and gas lines. These pipes have a long and successful service history in the gas, oil, mining and water utility industry.

Pipe is supplied in sizes up to 610mm for PVC and up to 1000mm for HDPE.

Weight & Wall Thickness PVC Pipe

Size	PN 4		PN 6		PN 9		PN 12		PN 16		PN 20		PN 25	
	mm	kg/m	mm	kg/m	mm	kg/m	mm	kg/m	mm	kg/m	mm	kg/m	mm	kg/m
20	-	-	-	-	-	-	-	-	1.5	0.15	2	0.17	-	-
25	-	-	-	-	-	-	0.15	0.19	1.9	0.23	2.5	0.27	-	-
32	-	-	-	-	1.5	0.24	1.9	0.29	2.4	0.36	3.1	0.43	-	-
40	-	-	1.5	0.3	1.8	0.36	2.3	0.45	3	0.56	3	0.68	-	-
50	1.5	0.38	1.5	0.38	2.2	0.54	2.9	0.69	3.7	0.86	4.9	1.06	-	-
63	1.5	0.49	1.9	0.6	2.8	0.85	3.6	1.08	4.7	1.37	6.1	1.67	-	-
75	1.5	0.58	2.2	0.83	3.3	1.2	4.3	1.53	5.6	1.94	7.3	2.37	-	-
90	1.8	0.82	2.7	1.2	3.9	1.68	5.1	2.17	6.7	2.77	8.7	3.4	-	-
110	2.2	1.23	2.8	1.33	4.15	1.94	5.45	2.53	7.1	3.27	8.7	3.97	10.6	4.8
125	2.5	1.57	3.25	1.71	4.7	2.51	6.15	3.27	8.05	4.22	9.85	5.13	12.1	6.26
140	2.8	1.95	3.55	2.15	5.2	3.14	6.9	4.1	9	5.3	11	6.43	13.5	7.82
160	3.2	2.56	4.05	2.8	5.95	4.11	7.85	5.35	10.25	6.92	12.55	8.4	15.4	10.19
200	4	3.93	5	4.38	7.45	6.42	9.75	8.36	12.8	10.82	15.7	13.12	19.2	15.89
250	4.9	6	6.25	6.84	9.2	10.03	12.15	13.06	15.95	16.9	19.6	20.5	24	24.87
315	6.9	9.57	7.85	10.86	11.6	15.92	15.3	20.74	20.1	26.83	-	-	-	-
355	7	12.09	8.95	13.8	13.7	20.22	17.2	26.34	22.55	34.08	-	-	-	-
400	7.9	15.36	9.95	17.52	14.8	25.67	19.45	33.45	25.4	43.26	-	-	-	-
500	10	23.11	12.45	27.37	18.35	40.11	23.47	52.53	-	-	-	-	-	-

Material Specifications

Material

Unplasticised PVC (PVC U)

Size Range

20mm to 500mm up to 610mm available on request)

Design Stresses

10MPa and 12.5 Mpa

Pressure Class

PN4,PN6, PN9, PN12, PN16 and PN20

Pipe Ends/ Joints

Spigot and Socket with integral Rubber Gasket

Applicable Specifications

SABS 966 part , ISO 4422



Weight and Wall Thickness HDPE Pipe

NOM. OD	STANDARD DIMENSIONAL RATIO - SDR - (PIPE SERIES)																	
	SDR 33		SDR 26		SDR 17.6		SDR 21		SDR 17		SDR 13.6		SDR 11		SDR 9		SDR 7.4	
	PE 63 PN 3.2		PE 63 PN 4		PE 63 PN 6		PE 80 PN 6		PE 100 PN 10		PE 100 PN 12.5		PE 100 PN 16		PE 80 PN 16		PE 63 PN 16	
	mm	W/T	kg/m	W/T	kg/m	W/T	kg/m	W/T	kg/m	W/T	kg/m	W/T	kg/m	W/T	kg/m	W/T	kg/m	W/T
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0.09	2.3	0.1
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.3	0.13	3	0.16
25	-	-	-	-	2.3	0.17	-	-	-	-	-	-	2.3	0.12	3	0.21	3.5	0.24
32	-	-	-	-	2.3	0.23	-	-	-	-	-	-	3	0.17	3.6	0.33	4.4	0.39
40	-	-	2.3	0.3	2.3	0.29	-	-	-	-	-	-	3.7	0.28	4.5	0.51	5.5	0.6
50	-	-	2.3	0.33	2.9	0.45	-	-	-	-	-	-	4.6	0.43	5.6	0.79	6.9	0.94
63	2.3	0.5	2.5	0.49	3.6	0.7	-	-	-	-	4.7	0.15	5.8	0.67	7.1	1.26	8.6	1.48
75	2.3	0.6	2.9	0.67	4.3	0.99	-	-	4.5	1.02	5.6	0.23	6.8	1.06	8.4	1.78	10.3	2.11
90	2.8	0.8	3.5	0.98	5.1	1.4	4.3	1.19	5.4	1.46	6.7	0.36	8.2	1.47	10.1	2.56	12.3	3.02
110	3.4	1.2	4.2	1.43	6.3	2.12	5.3	1.78	6.6	2.18	8.1	0.55	10	2.14	12.3	3.81	15.1	4.53
125	3.9	1.5	4.8	1.85	7.1	2.71	6	2.28	7.4	2.78	9.2	0.88	11.4	3.17	14	4.93	17.1	5.83
140	4.3	1.9	5.4	2.33	8	3.41	6.7	2.85	8.3	3.49	10.3	1.24	12.7	4.11	15.7	6.17	19.2	7.33
160	4.9	2.5	6.2	3.06	9.1	4.44	7.7	3.74	9.5	4.55	11.8	1.78	14.6	5.12	17.9	8.04	21.9	9.54
180	5.5	3.1	6.9	3.81	10.2	5.61	8.6	4.7	10.7	5.76	13.3	2.63	16.4	6.73	20.1	10.17	24.6	12.05
200	6.2	3.9	7.7	4.72	11.4	6.97	9.6	5.82	11.9	7.1	14.7	3.39	18.2	8.5	22.4	12.57	27.4	14.91
225	6.9	4.9	8.6	5.93	12.8	8.8	10.8	7.35	13.4	9.01	16.6	4.25	20.5	10.48	25.2	15.91	30.8	18.85
250	7.7	6.1	9.6	7.35	14.2	10.84	11.9	9	14.8	11.04	18.4	5.55	22.7	13.27	27.9	19.56	34.2	23.27
280	8.6	7.6	10.7	9.17	15.9	13.57	13.4	11.36	16.6	13.87	20.6	7.04	25.4	16.32	31.3	24.58	38.3	29.18
315	9.7	9.43	12.1	11.68	17.9	17.52	15	14.27	18.7	17.56	23.2	8.63	28.6	20.46	35.2	31.1	43.1	36.93
355	10.9	11.93	13.6	14.76	20.1	32.22	16.9	18.12	21.1	22.36	26.1	10.97	32.2	25.9	39.7	39.5	48.5	46.83
400	12.3	15.19	15.3	18.72	22.7	28.25	19.1	23.11	23.7	28.25	29.4	13.51	36.3	32.87	44.7	50.1	54.7	59.48
450	13.8	19.13	17.3	23.73	25.5	35.68	21.5	29.22	26.7	35.79	33.1	16.92	40.9	41.73	50.3	63.44	61.5	75.24
500	15.3	23.59	19.1	29.19	28.3	44.03	23.9	36.06	29.7	44.23	36.8	21.45	45.4	52.85	55.8	78.17	-	-
560	17.2	29.69	21.4	36.59	31.7	55.26	26.7	45.13	33.2	55.41	41.2	27.2	50.8	65.21	-	-	-	-
630	19.3	37.46	24.1	46.36	35.7	70.01	30	57.01	37.4	70.18	46.2	34.49	57.2	81.69	-	-	-	-
710	21.8	47.59	27.2	58.92	40.2	88.83	33.9	72.57	42.1	89.02	52.2	43.69	-	-	-	-	-	-
800	24.5	60.27	30.6	74.6	45.3	112.74	38.1	91.95	47.4	112.85	58.8	53.9	-	-	-	-	-	-
900	27.6	76.32	34.4	94.7	51	142.82	42.9	116.31	53.3	142.7	-	-	-	-	-	-	-	-
1000	30.6	93.56	38.2	116.37	56.6	175.93	47.7	143.67	59.3	176.33	-	-	-	-	-	-	-	-

Material Specifications

Material

High Density Polyethylene (HDPE)
PE 80 and PE 100

Manufactured Length

16mm to 50mm - 100m coils
63mm to 75mm - 50m coils
90 to 1000mm 6m straight lengths

Design Stresses

PE 80: 6.3 MPa
PE 100: 8 Mpa

Pressure Class

PN4,PN6, PN9, PN12, PN16

Pipe Ends/ Joints

Straight ends

Applicable Specifications

ISO 4427

Rexus is a designer, manufacturer and supplier of Pipe, Valves, Fittings and Couplings. Our products and services include:



Rexus KII Couplings Flange Adaptors and Dismantling Joints are 100% locally manufactured in sizes 40mm to 1600mm and for pressure ratings of up to PN40 as standard. We offer short lead times.



In addition to PVC and HDPE Pipe, Rexus supplies KII Ductile Iron Pipe and is a large distributor of Steel Pipe in diameters up to 1000 NB. All pipe is supplied with associated Valves and Fittings.



Rexus is the manufacturer and supplier of the AirFlo range of air valves for Water and Sewer pipelines. Air Valves are manufactured in sizes DN25 to DN300 and for pressure ratings of up to PN100. AirFlo air valves have four functions as stand including automatic Surge protection.



Rexus manufactures Double Offset Butterfly valves in sizes DN200 to DN1200 and for pressure ratings PN10 to PN40. Valves are available fusion bonded epoxy coated and in various trim options.



Rexus is the manufacturer and supplier of the CheckFlo range of Nozzle Check, Swing Check and Silent for Water pipelines. Check Valves are manufactured in sizes DN50 to DN1200 and for pressure ratings of up to PN100. CheckFlo valves have low headloss, are maintenance free and prevent Surge.



Rexus is one of the largest manufacturers of fabricated Steel fittings for Water and Wastewater pipelines. Our fittings are manufactured under the VeroFlo brand in sizes DN50 to DN 1600 and for pressure ratings of PN64 as standard. All fittings are fusion bonded epoxy coated as standard.

Rexus provides the most comprehensive, technical, logistical and after sales support in the industry. Try Us!