



PE100 BLACK PIPE

PE100 BLACK PIPE FOR WATER SUPPLY, SEWERS & DRAINAGE UNDER PRESSURE

ENGINEERED PIPE SOLUTION FOR MODERN PIPELINE NETWORKS

Manufactured from PE100 polyethylene, with a solid wall construction, PE100 black Pipes are available in diameters 20 mm to 1200 mm in a range of SDRs and pressure ratings.

PE100 black pipes are easily joined using industry standard electrofusion and butt-fusion welding techniques.

For instances where the PE100 Black pipes are used for above ground potable water applications or for other applications where required, the PE100 black pipes hold the water quality approvals, as detailed below.



Approvals

- BS EN 12201-2: 2011+A1:2013.
- Regulation 31(4)(A) of the Water Supply (Water Quality) Regulations 2016 (as amended)
- WRAS Approved Material, that complies with Regulation 4 of the Water Supply regulations.



Key Features & Benefits

- Joined using conventional electrofusion and butt-fusion techniques.
- Fully compatible with approved electrofusion, spigot and mechanical fittings.
- Simple pipe end preparation using rotary scraping tools for electrofusion jointing.
- Suitable for open-cut and no-dig buried installation techniques and for use in pipeline rehabilitation projects.
- Suitable for above ground potable water applications.
- Available in Pressure ratings upto 16 bar
- Pipes up to and including 180 mm are available in coiled format.

Product Range



PE100 Black Pipe

Nominal diameter	SDR	Pressure rating	Product code straight pipe			Product code coiled pipe				Weight
			6m	12m	13.5m	25m	50m	100m	150m	
mm		Bar								kg/m
20	9	16	-	-	-	VC2520	VC2521	VC2522	VC2523	0.2
25	11	16	-	-	-	VC2527	VC2528	VC2529	VC2530	0.2
32	11	16	-	-	-	VC2534	VC2535	VC2536	VC2537	0.3
50	11	16	VC7549	-	-	VC2554	VC2551	VC2552	VC2553	0.7
63	11	16	VC2568	-	-	VC2570	VC2571	VC2572	VC2573	1.1
90	11	16	VC2625	VC2627	-	-	VC2628	VC2629	-	2.3
110	11	16	VC2733	VC2735	-	-	VC2736	VC2737	-	3.3
125	11	16	VC2787	VC2789	-	-	VC2790	VC2791	-	4.3
140	11	16	-	VC2843	-	-	-	VC2845	-	5.4
160	11	16	VC2958	VC2960	-	-	VC2961	VC2962	-	7.1
180	11	16	VC3030	VC3032	-	-	VC3034	VC3035	-	9.0
200	11	16	VC3107	VC3109	VC3112	-	-	-	-	11.0
225	11	16	VC3211	VC3213	-	-	-	-	-	14.0
250	11	16	VC3266	VC3269	VC3270	-	-	-	-	17.1
315	11	16	VC3485	VC3488	VC3489	-	-	-	-	27.2
355	11	16	VC3544	VC3547	VC3548	-	-	-	-	34.5
400	11	16	VC3604	VC3607	-	-	-	-	-	43.8
450	11	16	VC3721	VC3721	-	-	-	-	-	55.5
500	11	16	VC3827	VC3829	-	-	-	-	-	68.4
560	11	16	VC3883	VC3885	VC3886	-	-	-	-	85.7
630	11	16	VC3939	VC3941	VC3942	-	-	-	-	108.5
90	17	10	VC2643	VC2645	-	-	VC2646	VC2647	-	1.6
110	17	10	VC2751	VC2753	-	-	VC2754	VC2755	-	2.3
125	17	10	VC2805	VC2807	-	-	VC2808	VC2809	-	3.0
160	17	10	VC2976	VC2978	-	-	VC2979	VC2980	-	4.8
180	17	10	VC3050	VC3052	-	-	VC3054	VC3055	-	6.1
200	17	10	VC3121	VC3123	VC3126	-	-	-	-	7.5
225	17	10	VC3225	VC3227	VC3228	-	-	-	-	9.5
250	17	10	VC3284	VC3287	VC3288	-	-	-	-	11.6
280	17	10	VC3395	VC3397	-	-	-	-	-	14.6
315	17	10	VC3503	VC3506	VC3507	-	-	-	-	18.5
355	17	10	VC3562	VC3565	VC3566	-	-	-	-	23.6
400	17	10	VC3622	VC3625	VC3626	-	-	-	-	29.7
450	17	10	VC3735	VC3737	VC3738	-	-	-	-	37.7
500	17	10	VC3843	VC3845	VC3846	-	-	-	-	46.5
560	17	10	VC3899	VC3901	VC3902	-	-	-	-	58.3
630	17	10	VC3955	VC3957	VC3958	-	-	-	-	73.8
315	21	8	-	-	VC3524	-	-	-	-	15.0
400	21	8	-	-	VC3644	-	-	-	-	24.4
450	21	8	-	-	VC3754	-	-	-	-	30.8
500	21	8	-	-	VC3862	-	-	-	-	38.0
560	21	8	-	-	VC3918	-	-	-	-	47.5
630	21	8	-	-	VC3974	-	-	-	-	60.0
710	21	8	-	-	VC4030	-	-	-	-	76.5
800	21	8	-	-	VC4086	-	-	-	-	97.1
900	21	8	VC4139	-	VC4142	-	-	-	-	122.7
315	26	6	-	VC3531	VC3532	-	-	-	-	12.4
355	26	6	-	VC3591	VC3592	-	-	-	-	15.6
400	26	6	-	VC3652	VC3653	-	-	-	-	19.8



PE100 Black Pipe - continued

Nominal diameter	SDR	Pressure rating	Product code straight pipe			Product code coiled pipe				Weight
			6m	12m	13.5m	25m	50m	100m	150m	
mm		Bar								kg/m
450	26	6	-	-	VC3762	-	-	-	-	25.0
500	26	6	-	-	VC3870	-	-	-	-	30.8
560	26	6	-	-	VC3926	-	-	-	-	38.6
630	26	6	VC3979	-	VC3982	-	-	-	-	48.9
710	26	6	-	-	VC4038	-	-	-	-	62.3
800	26	6	VC4091	-	VC4094	-	-	-	-	78.9
900	26	6	-	-	VC4150	-	-	-	-	100.5
1000	26	6	-	-	VC4198	-	-	-	-	122.9
1100	26	6	-	-	VC4254	-	-	-	-	149.6
1200	26	6	-	-	VC4310	-	-	-	-	176.9

Note: Pipe weights shown are for lifting and handling purposes. They are based on the maximum diameter and pipe wall thicknesses as specified in BS EN 12201-2.

*Nominal Pressure (PN)=For plastic piping systems conveying water, it corresponds to the Allowable Operating Pressure (PFA maximum hydrostatic pressure in bar) which can be sustained with water at 20°C with a design basis of 50 years and a minimum design coefficient (C=1.25).

