



RADIUS
SYSTEMS

**PE100 BLACK
POLYETHYLENE
PIPES FOR
NON-POTABLE
WATER
APPLICATIONS**

June 2025

PE100 BLACK POLYETHYLENE PIPES FOR NON-POTABLE WATER APPLICATIONS

ENGINEERED PIPE SOLUTIONS FOR MODERN PIPELINES



The versatile polyethylene pipeline solution for the following non-potable water applications (as defined within BS EN 12201-2)

- ✓ Raw water prior to treatment
- ✓ Drains and sewers under pressure
- ✓ Vacuum sewers
- ✓ Water for other purposes – with the exception of industrial applications
- ✓ Sea outfalls laid in water
- ✓ Pipes suspended below bridges

These pipes are not approved for the conveyance of potable water 'drinking water for human consumption', or for use in food preparation or fish farm applications

Approvals



KM 83015

- BS EN 12201-2:2011+A1:2013

Features and Benefits

- Approved to BS EN 12201-2:2011+A1:2013 (BSI KM 83015)
- PE100 material
- Diameter range 20 to 500mm
- SDR range 11, 17, 21 & 26
- Pipes up to and including 180mm available in both straight and coil format
- Straight pipes available in 6, 12 and 13.5m lengths
- Compatible with approved electrofusion, spigot and mechanical fittings
- Joined using approved electrofusion and butt fusion techniques
- Suitable for open-cut and no-dig installation techniques

Please contact Radius Systems for additional guidance relating to our 'PE100 Black Polyethylene Pipes for Non-Potable Water Applications'

Product Range



PE100 Black Polyethylene Pipe

Nominal diameter	SDR	Pressure rating	Product code straight pipe			Product code coiled pipe				Weight
mm		Bar	6m	12m	13.5m	25m	50m	100m	150	kg/m
20	9	16	-	-	-	VS2520	VS2521	VS2522	VS2523	0.2
25	11	16	-	-	-	VS2527	VS2528	VS2529	VS2530	0.2
32	11	16	-	-	-	VS2534	VS2535	VS2536	VS2537	0.3
50	11	16	-	-	-	VS2554	VS2551	VS2552	VS2553	0.7
63	11	16	VS2568	-	-	VS2570	VS2571	VS2572	VS2573	1.1
90	11	16	VS2625	VS2627	-	-	VS2628	VS2629	-	2.3
110	11	16	VS2733	VS2735	-	-	VS2736	VS2737	-	3.3
125	11	16	VS2787	VS2789	-	-	VS2790	VS2791	-	4.3
140	11	16	-	VS2843	-	-	-	-	-	5.4
160	11	16	VS2958	VS2960	-	-	VS2961	VS2962	-	7.1
180	11	16	VS3030	VS3032	-	-	VS3034	VS3035	-	9.0
200	11	16	VS3107	VS3109	-	-	-	-	-	11.0
225	11	16	VS3211	VS3213	-	-	-	-	-	14.0
250	11	16	VS3266	VS3269	-	-	-	-	-	17.1
315	11	16	VS3485	VS3488	-	-	-	-	-	27.2
355	11	16	VS3544	VS3547	VS3548	-	-	-	-	34.5
400	11	16	-	VS3607	-	-	-	-	-	43.8
450	11	16	-	VS3721	-	-	-	-	-	55.5
500	11	16	-	VS3829	-	-	-	-	-	68.4
90	17	10	VS2643	VS2645	-	-	VS2646	VS2647	-	1.6
110	17	10	VS2751	VS2753	-	-	VS2754	VS2755	-	2.3
125	17	10	VS2805	VS2807	-	-	VS2808	VS2809	-	3.0
160	17	10	VS2976	VS2978	-	-	VS2979	VS2980	-	4.8
180	17	10	VS3050	VS3052	-	-	VS3054	VS3055	-	6.1
200	17	10	VS3121	VS3123	-	-	-	-	-	7.5
225	17	10	VS3225	VS3227	VS3228	-	-	-	-	9.5
250	17	10	VS3284	VS3287	VS3288	-	-	-	-	11.6
280	17	10	VS3395	VS3397	-	-	-	-	-	14.6
315	17	10	VS3503	VS3506	VS3507	-	-	-	-	18.5
355	17	10	VS3562	VS3565	VS3566	-	-	-	-	23.6
400	17	10	VS3622	VS3625	-	-	-	-	-	29.7
450	17	10	VS3735	VS3737	VS3738	-	-	-	-	37.7
500	17	10	VS3843	VS3845	VS3846	-	-	-	-	46.5
630	17	10		VS3957		-	-	-	-	69.74
315	21	8	-	-	VS3524	-	-	-	-	15.0
400	21	8	-	-	VS3644	-	-	-	-	24.4
450	21	8	-	-	VS3754	-	-	-	-	30.8
500	21	8	-	-	VS3862	-	-	-	-	38.0
315	26	6	-	-	VS3532	-	-	-	-	12.4
355	26	6	-	-	VS3592	-	-	-	-	15.6
400	26	6	-	-	VS3653	-	-	-	-	19.8
450	26	6	-	-	VS3762	-	-	-	-	25.0

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.

