

RADIUS
SYSTEMS

PE100 BLACK PIPE

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ENGINEERED PIPE SOLUTION FOR MODERN PIPELINE NETWORKS



PE100 Black Pipe from Radius Systems approved to BS EN 12201-2 is manufactured from WRAS approved material.

Manufactured from PE100 polyethylene, with a solid wall construction, PE100 Black Pipes are available in diameters 20 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.

Key Features & Benefits

- Joined using conventional electrofusion and butt-fusion techniques.
- Fully compatible with approved electrofusion, spigot and mechanical fittings.
- Simple pipe preparation using rotary or hand scraping tools for electrofusion jointing.
- Suitable for open-cut and no-dig installation techniques and for use in pipeline rehabilitation projects.



KM83015

Approvals

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

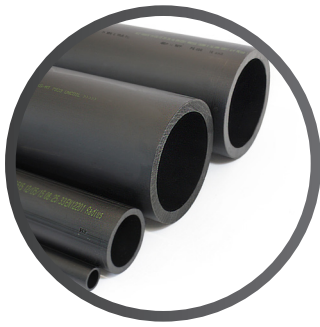


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- WRAS Approved Material, that complies with Regulation 4 of the Water Supply regulations.

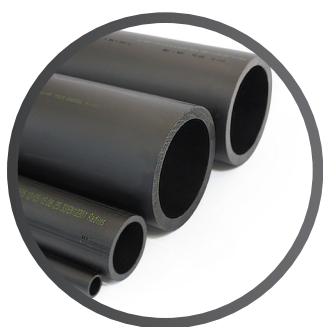
It is important to note that Radius Systems Black PE100 pipes are not approved for applications where DWI Regulation 31(4)(a) is required.

Product Range



PE100 Black Pipe

Nominal diameter	SDR	Nominal Pressure (PN)*	Product code straight pipe			Product code coiled pipe				Weight
mm		Bar	6m	12m	13.5m	25m	50m	100m	150m	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	-	-	-	-	-	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	-	-	-	-	-	11.0
225	11	16	VC3211	VC3213	-	-	-	-	-	14.0
250	11	16	VC3266	VC3269	-	-	-	-	-	17.1
315	11	16	VC3485	VC3488	-	-	-	-	-	27.2
355	11	16	VC3544	VC3547	VC3548	-	-	-	-	34.5
400	11	16	-	VC3607	-	-	-	-	-	43.8
450	11	16	-	VC3721	-	-	-	-	-	55.5
500	11	16	-	VC3829	-	-	-	-	-	68.4
560	11	16	-	VC3885	-	-	-	-	-	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	-	-	-	-	-	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	-	-	-	-	-	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	-	-	-	-	-	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
315	26	6	-	-	VC3532	-	-	-	-	12.4
355	26	6	-	-	VC3592	-	-	-	-	15.6
400	26	6	-	-	VC3653	-	-	-	-	19.8



PE100 Black Pipe - continued

Nominal diameter mm	SDR	Nominal Pressure (PN)* Bar	Product code straight pipe			Product code coiled pipe				Weight kg/m
			6m	12m	13.5m	25m	50m	100m	150m	
450	26	6	-	-	VC3762	-	-	-	-	25.0
500	26	6	-	-	VC3870	-	-	-	-	30.8
560	26	6	-	-	VC3926	-	-	-	-	38.6
630	26	6	-	-	VC3982	-	-	-	-	48.9
710	26	6	-	-	VC4038	-	-	-	-	62.3
800	26	6	-	-	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).

For alternative operating conditions please contact Radius Systems.

