

HDPE Fire Line

Model: SD-PEPF

SHIELD HDPE pipes are manufactured complying to ISO 4427 (metric) and ANSI/AWWA C906 (inch) standards. SHIELD produce and supply moulded and segmented fittings as per ISO and AWWA standards under stringent quality control. Our pipes and fittings are tested at each stage of production to comply with quality and standards.



Product Specifications:

Available Size	50mm - 630mm, 4" - 26"
Material	High Density Polyethylene
Standard	ISO 4427, EN 12201, ANSI/AWWA C906, API 15LE
Application	Firefighting (underground)
Approvals/Listings	   

HDPE Fire Line

Product Dimensions:

HDPE SD-PEPF (ISO 4427)

PE 100 mm	SDR11 PN16		SDR9 PN20		SDR7.4 PN25	
	e-min mm	e-max mm	e-min mm	e-max mm	e-min mm	e-max mm
50	4.6	5.2	5.6	6.3	6.9	7.7
63	5.8	6.5	7.1	8.0	8.6	9.6
75	6.8	7.6	8.4	9.4	10.3	11.5
90	8.2	9.2	10.1	11.3	12.3	13.7
110	10.0	11.1	12.3	13.7	15.1	16.8
125	11.4	12.7	14.0	15.6	17.1	19.0
140	12.7	14.1	15.7	17.4	19.2	21.3
160	14.6	16.2	17.9	19.8	21.9	24.2
180	16.4	18.2	20.1	22.3	24.6	27.2
200	18.2	20.2	22.4	24.8	27.4	30.3
225	20.5	22.7	25.2	27.9	30.8	34.0
250	22.7	25.1	27.9	30.8	34.2	37.8
280	25.4	28.1	31.3	34.6	38.3	42.3
315	28.6	31.6	35.2	38.9	43.1	47.6
355	32.2	35.6	39.7	43.8	48.5	53.5
400	36.3	40.1	44.7	49.3	54.7	60.3
450	40.9	45.1	50.3	55.5	61.5	67.8
500	45.4	50.1	55.8	61.5	-	-
560	50.8	56.0	-	-	-	-
630	57.2	63.1	-	-	-	-

Hydrant Installation:

Where local soil does not provide the needed support for the HDPE pipe, heavy thrust blocks or dense concrete mixes can sink. When a large thrust block sinks, it creates excessive bending moment and failure which must be avoided. Where good local soil conditions exist, no thrust block or special bedding is required. If local soil conditions support the use of geo-textile fabrics or stabilized soils offer another way to provide good proper support to pipe and fittings to prevent excessive bending should be used.

**UNDERGROUND
HDPE FIRE LINE
CONNECTED TO
ABOVE GROUND
STEEL PIPE**



HDPE SD-PEPF (ANSI/AWWA C906)

DR PC	Outside Diameter		DR 11 PC200		DR 9 PC250		DR 7.3 PC317		DR 7 PC335	
			Wall Thickness		Wall Thickness		Wall Thickness		Wall Thickness	
Nominal Size	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
L Inch	Inch	Inch	Inch	Inch	Inch	Inch	Inch	Inch	Inch	Inch
4	4.480	4.520	0.409	0.458	0.500	0.560	0.625	0.700	0.643	0.720
6	6.600	6.660	0.602	0.674	0.736	0.825	0.920	1.031	0.946	1.060
8	8.590	8.660	0.784	0.878	0.958	1.073	1.198	1.342	1.228	1.376
10	10.700	10.800	0.977	1.094	1.194	1.337	1.473	1.650	1.536	1.720
12	12.690	12.810	1.159	1.298	1.417	1.587	1.747	1.957	1.821	2.039
14	13.940	14.060	1.273	1.426	1.556	1.743	1.918	2.148	2.000	2.240
16	15.930	16.071	1.455	1.630	1.778	1.992	2.192	2.455	2.286	2.560
18	17.920	18.081	1.636	1.832	2.000	2.240	2.466	2.762	2.571	2.879
20	19.910	20.090	1.818	2.036	2.222	2.489	2.740	3.069	2.857	3.200
22	21.900	22.099	2.000	2.240	2.444	2.737	3.014	3.376	3.143	3.520
24	23.890	24.108	2.182	2.444	2.667	2.987	3.288	3.683	3.429	3.841
26	25.880	26.117	2.364	2.648	2.889	3.236	3.562	3.989	3.714	4.160

NOTE:

- For installation instructions please refer to our technical guidelines.

HDPE Fire Line

Miscellaneous Data:

1. Ordering Information

Example: SD-PEPF-1-50

- SD-PEPF is the part number
- (1) ISO 4427 (2) ANSI/AWWA C906 (3) API 15LE
- (50) Size

2. Contact Information

For further information on any aspect of the SHIELD HDPE products please contact below:

MIDDLE EAST & AFRICA	UNITED KINGDOM
Jebel Ali Free Zone, Dubai, UAE P.O Box: 61199 Tel.: +971 4 881 2070 Fax: +971 4 881 2198 Email: shieldme@shielglobal.com	Unit 3, Endeavor Drive, Basildon-Essex, SS3 14WF Tel.: +44 1708 377731 Fax: +44 1708347637 Email: shielduk@shielglobal.com