

UL 651A

Standard Product Information

- ETL Listed to UL 651A, used per NEC Article 353
- High Density Polyethylene
- Performs well in cold weather conditions.
- Exceptionally hearty, providing necessary protection for contents from hazards such as roots, rocks, and changing ground conditions.

SPECIFICATIONS: ETL Listed to UL 651A, used per NEC Article 353. Meets or exceeds the HDPE resin requirements per ASTM D-3350 UV Black

MATERIAL: Manufactured from flexible HDPE (High Density Polyethylene)

Custom Print: Permanent print along conduit includes: material, standards, production info, and sequential feet. Custom print additions available.

UV PROTECTANT Added UV stabilization package

OPTIONS

PRE-INSTALLED TAPE Factory pre-installed pull tape. Available 500lb–6,000lb tensile strength or locatable.

WALL TYPES

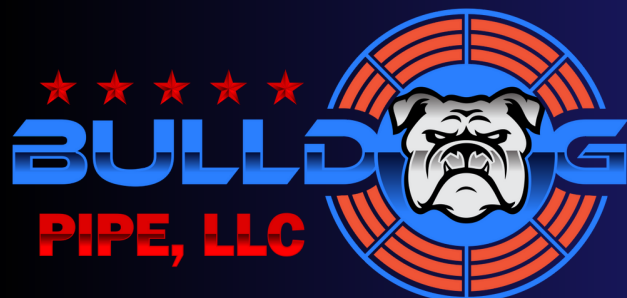
EPEC-B/SDR 13.5

EPEC-40/SCH 40

EPEC-80/SCH 80

SIZE RANGE AVAILABLE:

3/4" 1" 1.25" 1.5" 2" 3" 4"



www.bulldogpipe.com

RESIN REQUIREMENTS PER ASTM D-3350, having a minimum cell classification of 334420 C for black and E for color

3	Resin Density	0.940-0.947 g/cm ³	ASTM D-1505 or ASTM D-792 or ASTM D-4883
3	Melt Index	<0.4 grams/10 minutes	ASTM D-1238
4	Flexural Modulus	80,000 psi	ASTM D-790
4	Tensile Strength	3,000 psi	ASTM D-638
-	Elongation	400%	ASTM D-638
8	Slow Crack Growth Resistance	Condition B, 10% Igepal/H ₂ O solution, F50>24hrs	ASTM D-1693
0	Hydrostatic Design Basis	Non-pressure rated	ASTM D-2837
C	Black UV Resistance	Added carbon black @ 2% by weight	ASTM D-4218
or E	Color UV Resistance	Color with UV inhibitor and antioxidant	ASTM D-4238



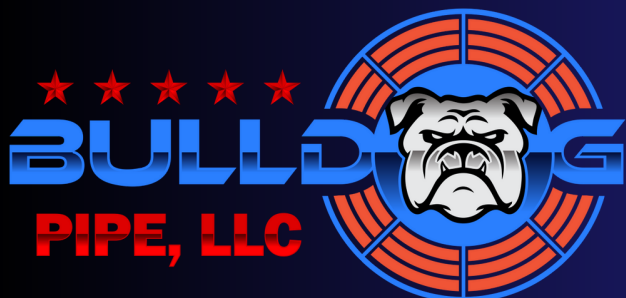
UL 651A

Technical Specifications

WALL TYPE	NOM OD (IN)	OD TOLERANCE +/-	MIN WALL (IN)	WALL TOLERANCE +	AVG ID (IN)	MIN ID (IN)	WEIGHT (LB/FT)	BEND RADIUS SUP (IN)	BEND RADIUS UNSUP (IN)	SWPS (LB)
-----------	-------------	------------------	---------------	------------------	-------------	-------------	----------------	----------------------	------------------------	-----------

3/4"	EPEC-B/SDR 13.5	1.050	0.005	0.078	0.020	0.874	0.854	0.110	10	20	570
	EPEC-40/SCH 40	1.050	0.005	0.113	0.020	0.804	0.784	0.148	10	20	798
	EPEC-80/SCH 80	1.050	0.005	0.154	0.020	0.722	0.702	0.188	10	20	1,040
1"	EPEC-B/SDR 13.5	1.315	0.007	0.097	0.020	1.101	1.081	0.167	13	26	894
	EPEC-40/SCH 40	1.315	0.007	0.133	0.020	1.029	1.009	0.217	13	26	1,340
	EPEC-80/SCH 80	1.315	0.007	0.179	0.021	0.936	0.915	0.276	13	26	1,533
1 1/4"	EPEC-B/SDR 13.5	1.660	0.008	0.123	0.020	1.394	1.374	0.263	17	34	1,425
	EPEC-40/SCH 40	1.660	0.008	0.140	0.020	1.360	1.340	0.293	17	34	1,604
	EPEC-80/SCH 80	1.660	0.008	0.191	0.023	1.255	1.232	0.382	17	34	2,116
1 1/2"	EPEC-B/SDR 13.5	1.900	0.010	0.141	0.020	1.598	1.578	0.342	19	38	1,867
	EPEC-40/SCH 40	1.900	0.010	0.145	0.020	1.590	1.570	0.350	19	38	1,919
	EPEC-80/SCH 80	1.900	0.010	0.200	0.024	1.476	1.452	0.463	19	38	2,564
2"	EPEC-B/SDR 13.5	2.375	0.012	0.176	0.021	2.002	1.981	0.528	24	48	2,917
	EPEC-40/SCH 40	2.375	0.012	0.154	0.020	2.047	2.027	0.469	24	48	2,579
	EPEC-80/SCH 80	2.375	0.012	0.218	0.026	1.913	1.887	0.641	24	48	2,545

3"	EPEC-B/SDR 13.5	3.500	0.018	0.259	0.031	2.951	2.920	1.146	39	78	6,335
	EPEC-40/SCH 40	3.500	0.018	0.216	0.026	3.042	3.016	0.969	39	78	5,348
	EPEC-80/SCH 80	3.500	0.018	0.300	0.036	2.864	2.828	1.310	39	78	7,238
4"	EPEC-B/SDR 13.5	4.500	0.023	0.333	0.040	3.794	3.754	1.895	50	100	10,472
	EPEC-40/SCH 40	4.500	0.023	0.237	0.028	3.998	3.970	1.380	50	100	7,618
	EPEC-80/SCH 80	4.500	0.023	0.337	0.040	3.786	3.746	1.914	50	100	10,578



- **Bend Radius**

½” through 2 ½” Supported Bend Radius 10 times the OD Unsupported Bend Radius 20 times the OD

3" through 4" Supported Bend Radius 11 times the OD Unsupported Bend Radius 22 times the OD

- **SWPS (Safe Working Pull Strength) is calculated using a 25% safety factor with the minimum resin tensile strength of 3,000 psi, the average OD and average wall thickness.**

Internal or external ribs are in addition to the average wall and for determining OD and ID dimensions.

- **The average rib height to be added is 0.020".**

Add 0.016 #/ft for ribbed products 1 1/2" and less. For 2" and larger, add 0.025 #/ft.

Bulldog Pipe is a Veteran and family-owned and operated pipe manufacturer, certified as a Veteran Business Enterprise through NaVOBA and as Veteran-owned through the USBA.



U.S. Small Business
Administration

**VETERAN-OWNED
CERTIFIED**

