



Sleeve-It is United Poly System's HDPE product for gas line protection. Although many companies use traditional PVC for gas line protection, disruptions in the PVC supply chain and the superior product benefits of Sleeve-It make it a better choice for gas line protection.

Similar to Pro-Line, a coupler can be attached during manufacturing, making Sleeve-It ready for installation once delivered to the project site. Sleeve-It is not pressure rated and is color identified as yellow or black with a yellow stripe. It is available in ¾ in. through 6 in. diameter and is available on reels, coils and in 20-, 40- and 50-ft sticks.

The material requirements for Sleeve-It meet or exceed ASTM Standard D3350 "Standard Specification for Polyethylene Plastic Pipe and Fittings Materials." ASTM D3350 defines important physical properties of HDPE materials into ranges, or cell classes, so that each property can be defined within a range that is appropriate for the application. Sleeve-It is manufactured per product specification SDR SCH 40 with conduit materials per ASTM F2160.

Print Line Information

Sleeve-It is sequentially marked and identified along its outer length in contrasting color.

The print interval is every 2 ft and includes the following:

Manufacturer's Name: United Poly Systems Product Size/SDR

Production Code Date, Location, Period Specification

"GAS SLEEVE ONLY"

LENGTH OF CONDUIT (in feet)

Optional custom print lines are available and may include customer name, project name, and application.

HDPE Conduit Material Definition According to ASTM F2160

PROPERTY	RANGE OR MINIMUM REQUIREMENT	UNITS	CELL CLASS	TEST METHOD
Density	0.941 - 0.955	g/cc	3	ASTM D 792 or 1505
Melt Index	< 0.25 - 0.40	g/10 minutes	3 or 4	ASTM D 1238
Flexural Modulus	110,000 - 160,000	psi	4 or 5	ASTM D 790
Tensile Strength	3000 - 4000	psi	4 or 5	ASTM D 638
Environmental Stress Crack Resistance	F20 > 192	Hours (condition C)	3 or 4	ASTM D 1693
HDB	Not Defined		0, 1, 2, 3 or 4	ASTM D 2837

Available Sizes

IPS Size	Avg OD		SCH 40
¾ in.	1.05	Min Wall Avg. ID Weight p/ft	0.113 0.804 0.215
1 in.	1.31	Min Wall Avg. ID Weight p/ft	0.133 0.804 0.145
1 ¼ in.	0.66	Min Wall Avg. ID Weight p/ft	0.140 1.360 0.291
1 ½ in.	1.90	Min Wall Avg. ID Weight p/ft	0.145 1.59 0.349
2 in.	2.375	Min Wall Avg. ID Weight p/ft	0.154 2.047 0.469
2 ½ in.	2.87	Min Wall Avg. ID Weight p/ft	0.203 2.445 0.744
3 in.	3.50	Min Wall Avg. ID Weight p/ft	0.216 3.042 0.973
4 in.	4.50	Min Wall Avg. ID Weight p/ft	0.237 3.998 1.387
5 in.	5.563	Min Wall Avg. ID Weight p/ft	0.258 5.016 1.882
6 in.	6.62	Min Wall Avg. ID Weight p/ft	0.280 6.031 2.443

These are nominal values and used as guidelines only. This is not a product specification and does not indicate minimum or maximum operating values.