

High Quality HDPE Products You Can Depend On

A PARTNERSHIP YOU CAN DEPEND ON

Lane's commitment to quality extends to the services and personalities that support our product . . . technical and responsive services to aid the designer, support the contractor and assure the end user . . . from specification assistance to product submissions, from complete CAD services to application engineering, from total order management to installation consultation . . . a partnership you can depend on. Please contact your local Lane representative to help ensure a successful project.

LANE'S HDPE DRAINAGE PIPE

Lane's High Density Polyethylene (HDPE) pipe is a heavy-duty corrugated pipe for storm sewers, culverts, storm water storage, and water quality applications. Lane's HDPE pipe is available in diameters ranging from 4" to 48", in both single and double-wall profiles (i.e. corrugated or smooth interior). With options for perforated or non-perforated patterns along with standard or custom fabricated fittings, Lane's HDPE pipe offerings can meet all the subsurface drainage demands of your site, building, roads and pavements.

HIGH QUALITY HDPE RESINS

State DOT specifications require virgin resins in accordance with AASHTO M252 and M294, while local agencies may permit the use of recycled materials when managing "Green Building" incentives. Whether made from prime virgin resins or material with a recycled content, Lane's HDPE pipe has the strength and service life needed for your project.

AASHTO GRADE RESINS . . . Incoming prime virgin resin contains a certificate of analysis that indicates the material was made exclusively for the AASHTO M252/M294 market. All AASHTO polyethylene pipe products are manufactured, tested and supplied in accordance with the National Transportation Product Evaluation Program (NTPEP), a division of AASHTO. Under this program NTPEP certifies that Lane pipe products meet or exceed the requirements of AASHTO M252/M294.

RECYCLED GRADE RESINS . . . Lane's recycled grade polyethylene pipe is an engineered compound of high density polyethylene resins meeting the cell classifications and performance requirements associated with state highway specifications, and more specifically, ASTM F2648 (see table next page). With a minimum recycled content of 40%, this product is designed to qualify for LEED credits while maintaining a high level of performance.



PIPE SIZES AND HANDLING WEIGHTS			
Nominal Inside Diameter (in)	Actual Outside Diameter (in)	¹ Single-Wall Handling Weight (lb/ft)	² Double-Wall Handling Weight (lbs/20ft)
4	4.75	0.31	³ n/a
6	7.05	0.78	20
8	9.40	1.10	30
10	12.00	1.80	40
12	14.50	3.01	60
15	17.50	4.31	100
18	21.50	6.01	120
24	28.00	9.49	200
30	34.50	n/a	300
36	41.00	n/a	400
42	47.50	n/a	550
48	54.50	n/a	640

¹AASHTO Type C (Type CP, Class 1 and 2 perforations)
²AASHTO Type S (Type SP, Class 1 and 2 perforations)
³Available as a re-sale item through Lane

HEIGHTS OF COVER FOR LANE HDPE PIPE	
AASHTO Minimum Cover for Vehicular Loading	12 inches
Minimum Cover for E-80 (Rail Road) Loads.....	24 inches
Temporary Cover for Construction Loads ¹	3 to 5 feet
AASHTO Maximum Burial Depths ²	+20 feet

¹ Cover for construction loads depends on the pipe diameter and the construction equipment loading. Consult Lane's *HDPE Pipe Installation Practice* for details.

² Maximum burial depths greater than 20 feet are attainable with quality embedment materials and good compaction levels. It is recommended to obtain a cover height calculation from Lane using the AASHTO LRFD methodology for the site-specific installation conditions.