

# PRO 100 PIPE

## PRODUCT

LANE'S PRO 100 PIPE is a dual wall polypropylene (PP) pipe with a smooth interior and corrugated exterior manufactured for all drainage applications. Integrated bell and spigot couplers are provided on nominal 20' pipe lengths. Manning's roughness coefficient (i.e. Manning's n value) is conservatively factored to 0.012 for in-service design.

## PIPE STANDARDS

LANE'S PRO 100 PIPE is certified and marked as AASHTO M330.

## JOINT PERFORMANCE

Bell and spigot joints with a factory-installed gasket on the spigot (elastomeric seal per ASTM F477) meet the watertight requirements of ASTM D3212 (laboratory pressure tested at 10.8 psi).

## RAW MATERIAL

Virgin polypropylene resins used for pipe production are impact modified copolymers which meet the material requirements of ASTM F2881 Section 5 and AASHTO M330 Section 6.1.

## SERVICE LIFE

LANE'S PRO 100 PIPE exceeds the AASHTO pipe material standards by using 100% virgin polypropylene impact modified copolymer requirements. Lane's higher material standards are aimed to ensure a minimum 100-year service life. Raw material and finished pipe are routinely tested to ensure consistency with the industry parameters used to establish 100-year service life.

## CERTIFICATION

All PRO 100 pipe products with the Lane logo and the AASHTO marking are manufactured, tested and supplied in accordance with the National Transportation Product Evaluation Program (NTPEP), a division of AASHTO. Under this program Lane certifies that products (resin or pipe) it produces meets or exceeds the requirements of AASHTO M330. An administrator, AASHTO Materials Reference Library (AMRL), validates Lane's certification through annual audits, testing, inspection and review of Lane's QC program.

## MANUFACTURER'S WARRANTY

Lane ensures, certifies and documents that PRO 100 shipped to the job site meets the above claims and standards, and warranties the product is free of any material or workmanship defects.

PRO 100 Pipe Offerings in Accordance with ASTM and AASHTO standards:

Fittings (manifolds, tees, elbows, et al.)

Partially Perforated Pipe (Class 1 Perforations)

Fully Perforated Pipe (Class 2 Perforations) Installation in Accordance with ASTM D2321 or AASHTO Bridge Construction Specifications, Section 30.

See also Lane's PRO 100 Pipe Installation Guide for minimum and maximum allowable cover depths.



Nominal Pipe ID (in)	12	15	18	24	30	36	42	48	60
Nominal Pipe OD (in)	14.50	17.50	21.50	28.00	35.00	41.25	47.75	54.75	67.50
Average Handling Weight (lb/ft)	3.40	5.00	7.00	10.50	15.90	21.20	27.80	33.00	43.90
Nominal Lay Length (ft-in)	20-0	20-0	20-0	20-0	20-0	20-0	20-0	20-0	19-6
AASHTO Minimum Pipe Stiffness (psi)	65.0	54.0	50.0	44.0	36.0	29.0	27.0	25.0	19.0