Vinidex
Systems & Solutions

# LD PLUS®

## Low Density Polyethylene Pipe

## Agricultural Applications

## Micro Irrigation

## Dripper Applications

## Hydraulic Automation Applications

## Professional Landscaping

Certified System
Quality
ISO 9001
Lic 570
SAI GLOBAL

## Product Range

Vinidex LD PLUS® provides the best quality Low Density Poly Pipe in the market. LD PLUS® is suitable for use at pressures up to 300kPa at 20°C. LD PLUS® offers the largest range available of LD PE pipes in diameters from 13mm (½") to 32mm (1¼") and coil sizes from 25m-200m.

Easy to uncoil and lay, Vinidex LD PLUS® pipe is efficient, practical and durable. Suitable for water reticulation, Vinidex LD PLUS® pipe is available from 13mm – 32mm.

Manufactured to our own high standard, Vinidex LD PLUS® will not split at the fittings. Vinidex LD PLUS® pipe is pressure rated at 300kPa.

| Vinidex Code | Nom Size ID | Length | Product Description | Coil Size | | | Mean coil weight | Pallet QTY |
|---|---|---|---|---|---|---|---|---|
| | | | | Inside Diameter | Outside Diameter | Width | | |
| | mm (in) | m | | mm | mm | | kg | |
| 24105 | 13 (½) | 25 | 13 LD PLUS PE Irrig Pipe 25m | 250 | 410 | 85 | 1.3 | 120 |
| 24115 | 13 (½) | 50 | 13 LD PLUS PE Irrig Pipe 50m | 250 | 450 | 110 | 2.6 | 50 |
| 24120 | 13 (½) | 100 | 13 LD PLUS PE Irrig Pipe 100m | 250 | 540 | 135 | 5.2 | 40 |
| 24130 | 13 (½) | 300 | 13 LD PLUS PE Irrig Pipe 300m | 250 | 740 | 190 | 15.6 | 12 |
| 24170 | 19 (¾) | 25 | 19 LD PLUS PE Irrig Pipe 25m | 430 | 580 | 105 | 2.1 | 40 |
| 24177 | 19 (¾) | 50 | 19 LD PLUS PE Irrig Pipe 50m | 430 | 650 | 125 | 4.1 | 40 |
| 24180 | 19 (¾) | 100 | 19 LD PLUS PE Irrig Pipe 100m | 520 | 820 | 180 | 8.2 | 12 |
| 24190 | 19 (¾) | 200 | 19 LD PLUS PE Irrig Pipe 200m | 520 | 880 | 250 | 16.4 | 8 |
| 24195 | 25 (1) | 50 | 25 LD PLUS PE Irrig Pipe 50m | 820 | 1080 | 120 | 6.3 | 10 |
| 24205 | 25 (1) | 100 | 25 LD PLUS PE Irrig Pipe 100m | 820 | 1170 | 160 | 12.5 | 7 |
| 24200 | 25 (1) | 200 | 25 LD PLUS PE Irrig Pipe 200m | 820 | 1220 | 250 | 25.0 | 5 |
| 24231 | 32 (1¼) | 200 | 32 LD PLUS PE Irrig Pipe 200m | 900 | 1420 | 270 | 41.9 | - |

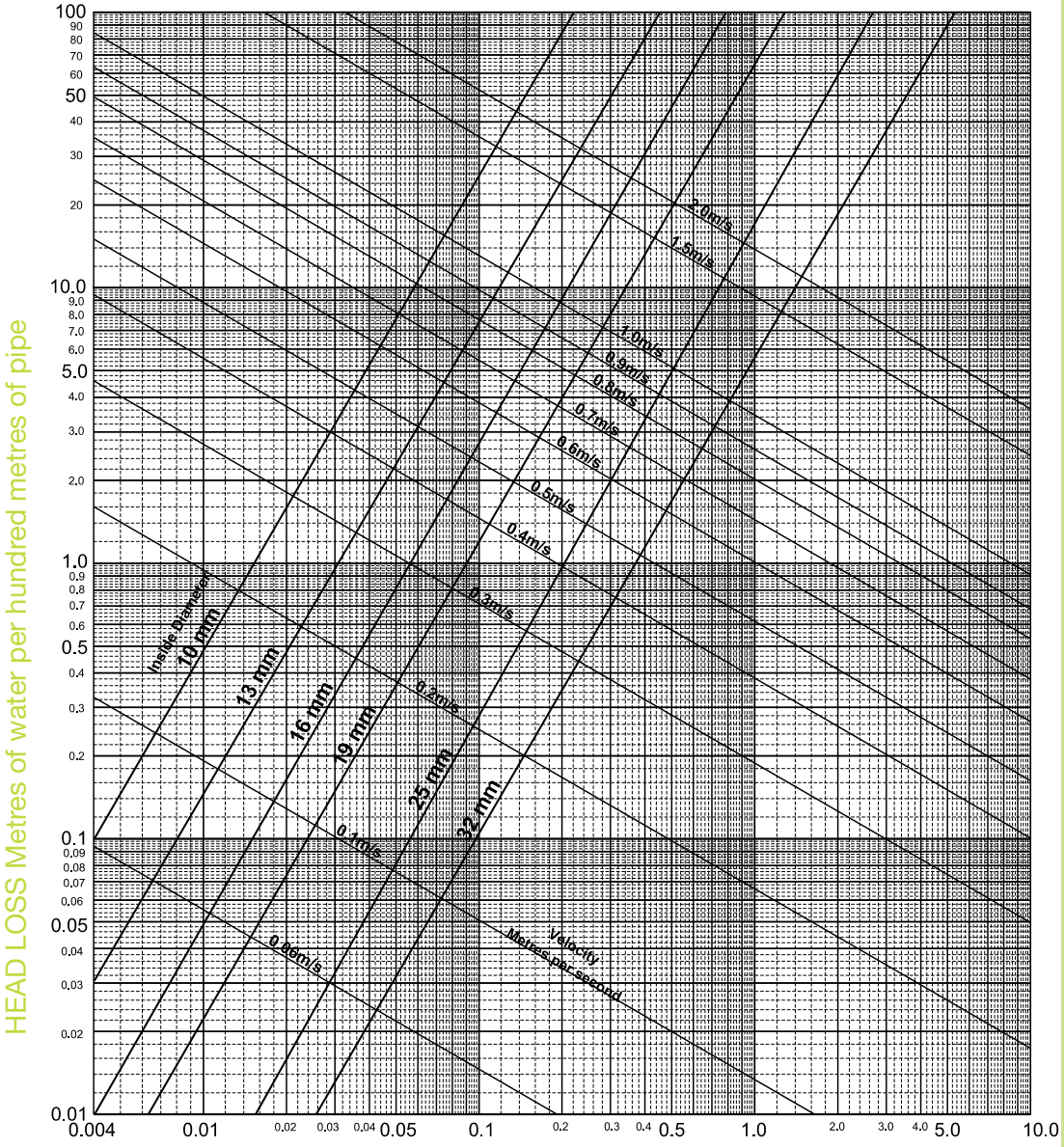
## Pressure Rating Data

Vinidex LD PLUS® is capable of with-standing a working pressure of 300kPa (3 Bar) where temperatures of the pipe and water are not more than 35°C.

If operating temperatures are more than 35°C, the pressure rating of the pipe reduces as indicated in this table.

| |
|---|
| 40°C – 280kPa |
| 45°C – 220kPa |
| 50°C – 170kPa |
| 55°C – 130kPa |
| 60°C – 100kPa |

# Micro-Irrigation Pipe
# Friction Loss




This chart was developed using the Colebrook-White Formula with a roughness coefficient of k = 0.015 as quoted in AS 2200-2006 “Design Charts for Water Supply and Sewerage”.

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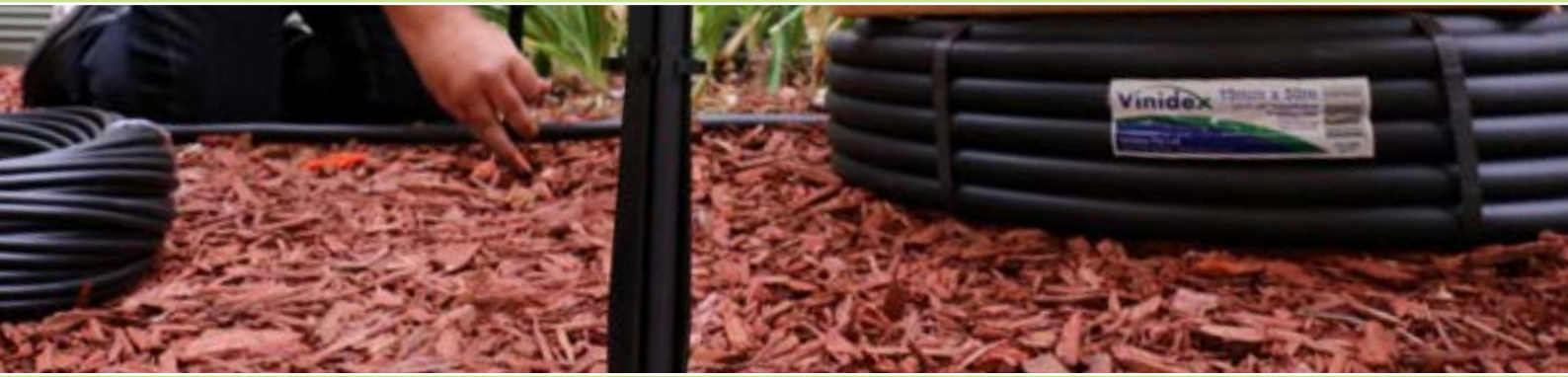


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