

LD PLUS®

Low Density Polyethylene Irrigation Pipe



Agricultural Applications

Micro Irrigation

Dripper Applications

Hydraulic Automation Applications

Professional Landscaping



INTRODUCTION

Vinidex LD PLUS® is a durable, premium quality low-density poly pipe suitable for a multitude of irrigation applications. Easy to uncoil and lay, Vinidex LD PLUS® allows for efficient and practical installation.

APPLICATIONS

- Agriculture
- Micro irrigation
- Dripper applications
- Hydraulic automation applications
- Professional Landscaping

FEATURES AND BENEFITS

High-impact strength

A high-impact strength compared with other materials ensures greater resistance to the rigors of any pipe laying condition.

Damage resistance

Low notch sensitivity provides a high level of resistance to the effects of external damage.

Abrasion resistance

Excellent abrasion resistance ensuring long life.

Chemical resistance

Good resistance to a wide range of chemicals.

Flexibility

LD PLUS® pipes are flexible and can be bent at a radius of 14 times diameter.

Ease of installation

Vinidex LD PLUS® pipes are widely used in applications such as agricultural, micro-irrigation and dripper tube systems due to rapid installation and simple and less frequent jointing.

Weathering resistance

Vinidex LD PLUS® pipes are stabilised against ultraviolet (UV) light degradation by the inclusion of carbon black in the raw material.

SIZE RANGE

From 13mm (½”) to 32mm (1¼”) and coil sizes from 25m to 200m.

PRESSURE RATING

Up to 300kPa at 20°C

TEMPERATURE

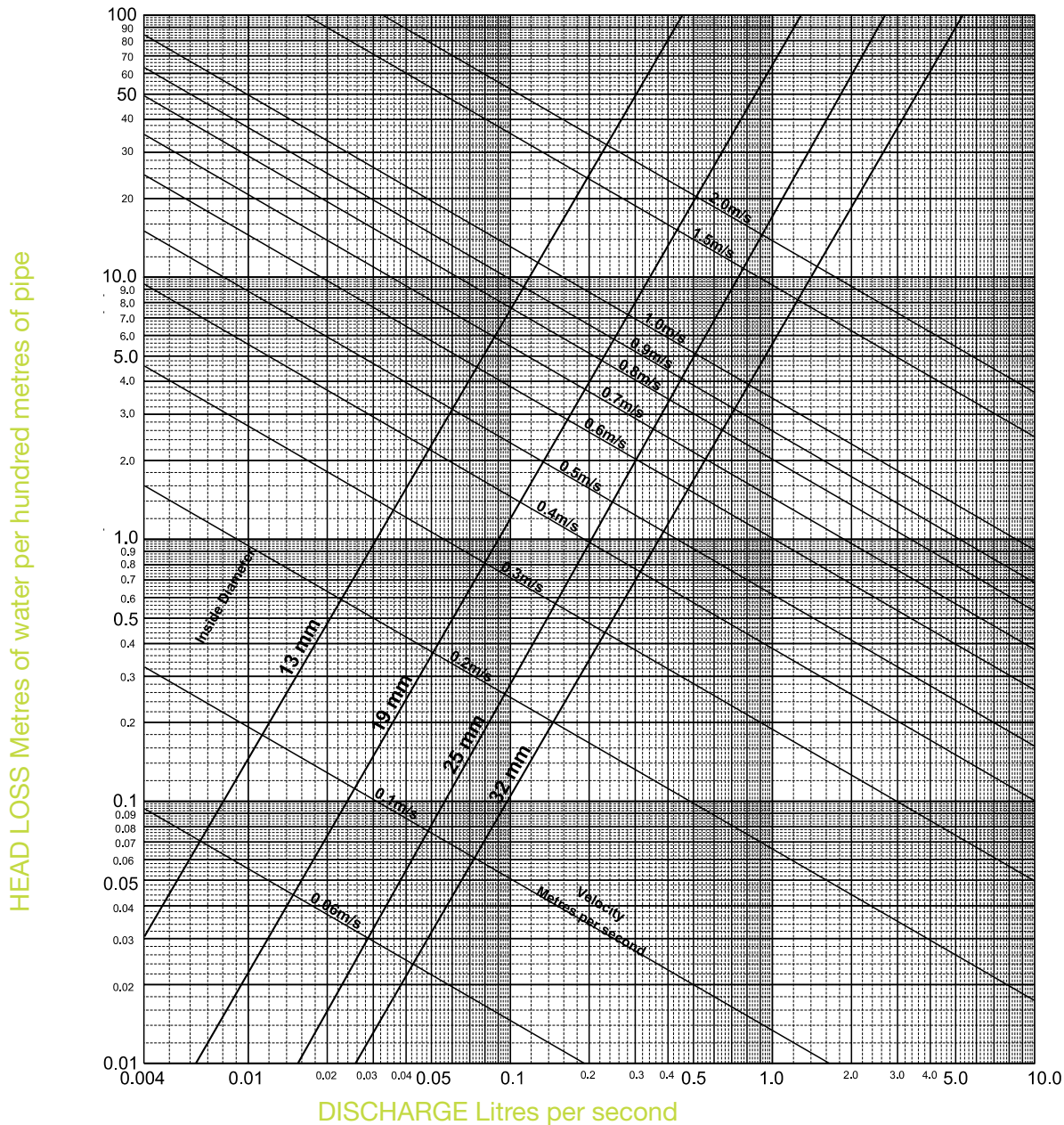
Vinidex LD PLUS® is capable of withstanding a working pressure of 300kPa (3 bar) where temperatures of the pipe and water are not more than 35°C. If operating temperatures are more than 35°C, the pressure rating of the pipe reduces as indicated in the table below.

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



PRODUCT TABLE

Vinidex Code	Nominal Size DN mm x (inch)	Inside Diameter (mm)	Outside Diameter (mm)	Colour	Length (m)	Approx. Weight (kg/length)
24105	13 (½)	13	16	Black	25	1.3
24115	13 (½)	13	16	Black	50	2.6
24120	13 (½)	13	16	Black	100	5.2
24130	13 (½)	13	16	Black	300	15.6
24170	19 (¾)	19	22	Black	25	2.1
24177	19 (¾)	19	22	Black	50	4.1
24180	19 (¾)	19	22	Black	100	8.2
24190	19 (¾)	19	22	Black	200	16.4
24195	25 (1)	25	29	Black	50	6.3
24205	25 (1)	25	29	Black	100	12.5
24200	25 (1)	25	29	Black	200	25
24231	32 (1¼)	32	36	Black	200	41.9



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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