

# LD PLUS®

Low Density Polyethylene Pipe



Agricultural Applications

Micro Irrigation

Dripper Applications

Hydraulic Automation Applications

Professional Landscaping

## Product Range

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
				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
24115	13 (½)	50	13 LD PLUS PE Irrig Pipe 50m	250	450	110	2.6
24120	13 (½)	100	13 LD PLUS PE Irrig Pipe 100m	250	540	135	5.2
24130	13 (½)	300	13 LD PLUS PE Irrig Pipe 300m	250	740	190	15.6
24170	19 (¾)	25	19 LD PLUS PE Irrig Pipe 25m	430	580	105	2.1
24177	19 (¾)	50	19 LD PLUS PE Irrig Pipe 50m	430	650	125	4.1
24180	19 (¾)	100	19 LD PLUS PE Irrig Pipe 100m	520	820	180	8.2
24190	19 (¾)	200	19 LD PLUS PE Irrig Pipe 200m	520	880	250	16.4
24195	25 (1)	50	25 LD PLUS PE Irrig Pipe 50m	820	1080	120	6.3
24205	25 (1)	100	25 LD PLUS PE Irrig Pipe 100m	820	1170	160	12.5
24200	25 (1)	200	25 LD PLUS PE Irrig Pipe 200m	820	1220	250	25.0
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 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 this table.

40°C – 280kPa

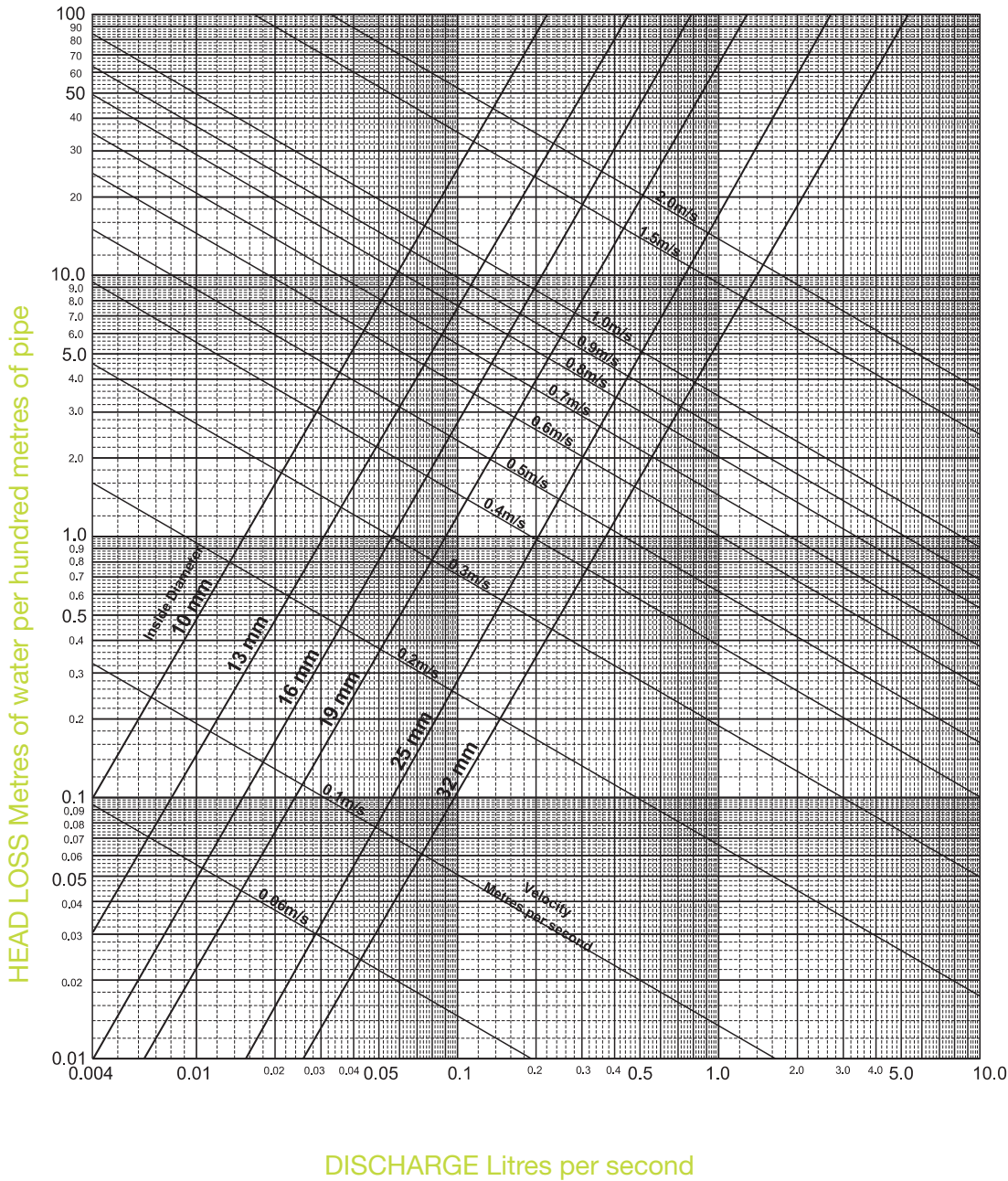
45°C – 220kPa

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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