

Sewage pipes are produced from PP in diameters Ø 200mm, 250mm, 315mm and 400mm, with a ring stiffness of SN8 (PROLAN/KOMO) or SN4 (AGRILAN). The standard length is 6 meter incl. a welded coupler.

Next to the PP sewage for heavy usage, GrainPlastics offers an agricultural version, a dam-pipe from PE Ø 315mm in 8 meter lengths. This pipe has a ring stiffness of SN4, is black and is produced without a socket. The usage of plastic as raw material has advantages; pipes are easy to process and are significantly lighter in weight versus concrete pipes.

Infiltration-sewage

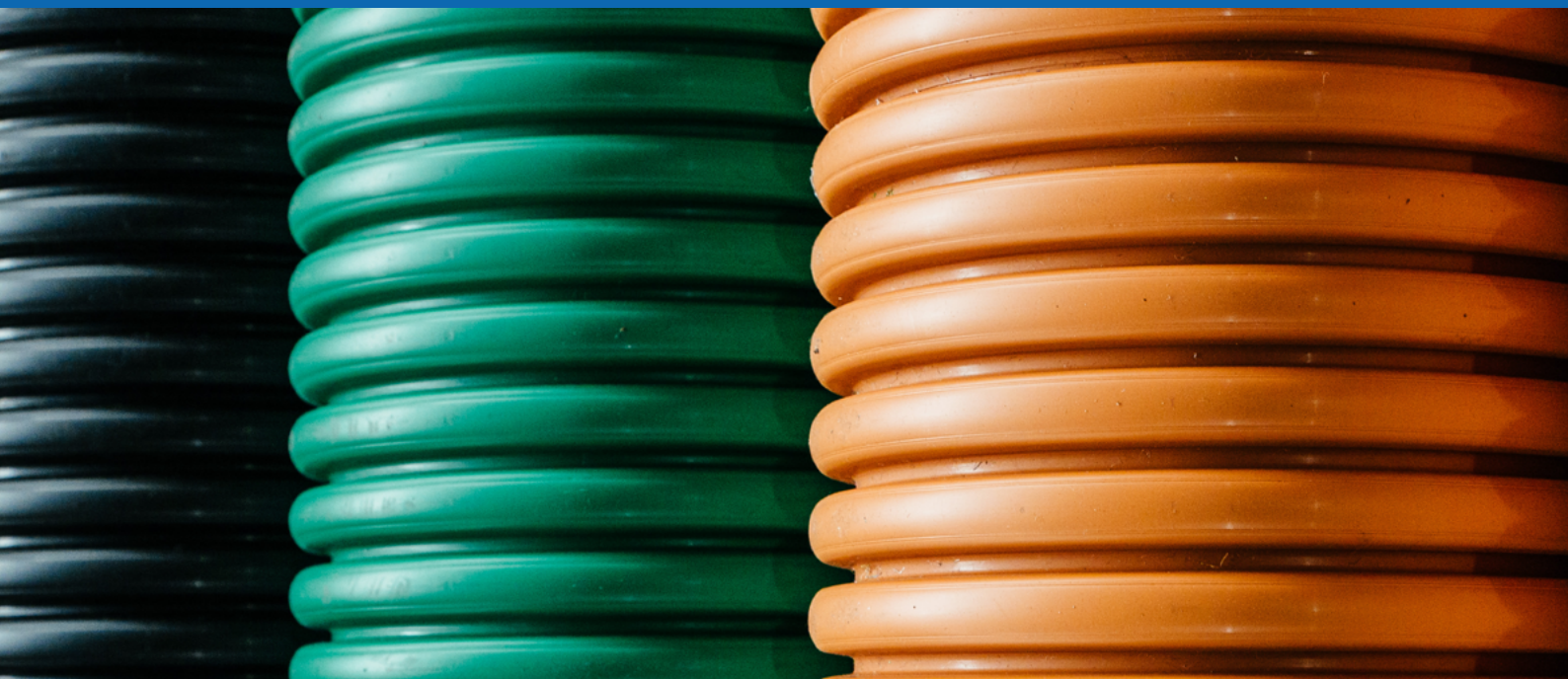
It is also possible to fit the pipes with slots and a wrapping, making the system suitable for usage as a PP Infiltration or Drainage-Transport system.

Colors

The standard colors are black, redbrown and green.

OD	ID	Quantity per pallet
200mm	175mm	23pc
250mm	220mm	12pc
315mm	276mm	8pc
400mm	350mm	5pc





Product description:

PROLAN double wall sewage SN8 in PP, is produced in diameters Ø 200mm, 250mm, 315mm and 400mm, in 6 meter lengths. PROLAN is KOMO certified for these diameters in the colors black and red-brown.

PROLAN is produced from PP raw material, both for the inner- and the outerwall. Standard colors for the outerwall are black, redbrown and green. The innerwall is produced from light-grey material which improves visibility for camera-inspections and is smooth improving the flow of water.



Material

- PP-outerwall, PP-granulate (new raw material)
- PP-innerwall, PP-granulate (new raw material)

Connection:

- Fitted with a welded PP coupler incl. rubber ring.

Application

- Sewage

Prescribers

- PROLAN PP sewage Ømm, SN8, color black
- Double wall PP, Incl. welded socket, 6 meter lengths
- KOMO-certified
- Producer GrainPlastics B.V.

**Product description:**

AGRILAN twinwall agricultural sewage is produced from PP in diameters Ø 200mm, 250mm, 315mm and 400mm in lengths of 6 meter.

AGRILAN has a PP inner- and outerwall. The standard color of the outerwall is black and the innerwall is dark-grey.

AGRILAN's light-weight makes it a cost-effective alternative for the agricultural market.

Material

- PP-outerwall, PP-regranulate (recycled raw material)
- PP-innerwall, PP-regranulaat (recycled raw material)

Connection:

- Fitted with a welded PP coupler incl. rubber ring.

Application

- Agricultural use
- Dam-pipe

Prescribers

- AGRILAN PP Agricultural sewage Ømm, SN4, color Black
- Double wall PP, Incl. welded socket, 6 meter lengths
- Producer GrainPlastics B.V.





Product description:

AGRILAN double wall dam-pipe SN4 in PE is available in diameter Ø 315mm on 8 meter lengths without a socket.

AGRILAN dam-pipe is produced from PE raw material for both the inner- and the outerwall. The standard color is black with a dark-grey innerwall.

AGRILAN PE is offered at a very attractive price and is a very suitable alternative for conventional corrugated pipes that are currently applied in the agricultural market.



Material

- PE-outerwall, PE-regranulate (recycled raw material)
- PE-innerwall, PE-regranulate (recycled raw material)

Connection:

- Excl. socket

Application

- Agricultural usage
- Dam-pipe

Prescribers

- AGRILAN PE Agricultural dam-pipe Ø 315mm
- SN4, color black
- Double wall PE, 8 meter lengths
- Producer GrainPlastics B.V.

	PROLAN sewage	AGRILAN agricultural pipe	AGRILAN dam-pipe
Diameter	Ø 200, 250, 315, 400mm	Ø 200, 250, 315, 400mm	Ø 315mm
Material	PP	PP	PE
Ring stiffness	SN8	SN4	SN4
Certification	KOMO	None	None
Standard length	6m, incl. socket	6m, incl. socket	8m, excl. socket

Sewage: Sizes and packing-size		
OD	ID	Pallet
200mm	175mm	23pc
250mm	220mm	12pc
315mm	276mm	8pc
400mm	350mm	6pc

Sewage: Waterdrainage in liters per minute at a hydraulic slope in cm over 100m of:									
DN.	5	8	10	15	20	25	30	40	50
200	420	540	660	780	900	1020	1080	1380	1500
250	960	1020	1080	1380	1680	1800	1980	2400	2820
315	1260	1620	1920	2640	2940	3480	3840	4080	5100
400	2700	3420	4020	4860	5400	6600	7500	8400	9000

Infiltration: Perforations properties				
	200	250	315	400
Number of perforations	6	6	6	6
Perforation width (mm)	2	2	2	2
Perforation length (mm, +/- 10mm)	50	60	60	60
Number of perforations per m1	135	114	93	72
Perforated surface (mm2/m1)	13500	13680	11160	8640

Infiltration: Wrapping properties		
Wrapping type	Description	Properties
PP450	PP fibre, non-woven	Density 090 450µ
PP700	PP fibre, non-woven	Density 090 700µ
HF180	Slip-over Geotextile, woven	Density 090 180µ, permeability 50 l/m²s
NW15/NW16	Slip-over Geotextile, non-woven	Density 090 85µ, permeability 85 l/m²s