



IRRIGATION ROLL

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IRRIGATION ROLL (WATERING PIPE)

Irrigation roll or watering pipe is a multilayer seamless PE film that is produced of LDPE, HDPE, UV-Stabilizer, etc. and is simply placed on the ground and connected to any water source including, pond, wellhead, or water canals and requires low water pressure. This is one of the fastest, easiest and most cost-effective irrigation methods.

Using irrigation rolls in row crops has several advantages:

- It saves water consumption by reducing bottom penetration and surface water evaporation. In this way, the row irrigation efficiency is improved and by removing the ground canals used in traditional irrigation, the area under cultivation is increased.
- They are very light, compact and easily portable.
- Installing and using this system is very simple. Also, the cost of maintenance is insignificant.
- It prevents the transfer of seeds and weeds through water flow to the farm, hence, reducing the cost of herbicides, spraying and mechanical removal of weeds in the field.
- Irrigation rolls prevent soil erosion.
- Irrigation rolls are able to handle the distribution and transfer of chemical fertilizers through the flow of water, which increases the efficiency of fertilizer usage.
- They can be produced without installation of the outlets (along the roll) and be used for water transfer in the factories, livestock farms and greenhouses. Pipes with outlets (along the roll) are very cheap compared to other modern irrigation systems, and their implementation is cost-effective for cultivation of most crops and even small farms.



Product Name	Irrigation roll
Other Names	Watering pipe, Lay flat irrigation hose, PE irrigation roll, Poly-Pipe Irrigation, Poly-Tube Irrigation
Application	<ul style="list-style-type: none"> ▪ Low-pressure irrigation in general construction projects, water transfer and drainage ▪ Irrigation in agriculture industry ▪ Surface irrigation systems
Features	<ul style="list-style-type: none"> ▪ Flexible ▪ Easily packed and carried (during work and at the end of the season) ▪ Resistance against ambient conditions and corrosion ▪ Applicable in every season and weather condition ▪ Reusable until spoiled ▪ Saving water, energy, fertilizer, herbicides and cutting labor costs ▪ Increasing the cultivation area and product amount ▪ Facilitating machinery use on farms due to the absence of traditional irrigation barriers ▪ No requirement for expert labor, speedy and easy installation and maintenance ▪ Recyclable
Thickness	Typically, 400 to 700 microns (based on the customer's request)
Width	Typically, 5 to 25 cm (2 to 10 Inches) (based on the customer's request)
Color	Transparent, Yellow, Green, White, Blue, Black, Milky, Silver, etc. (based on the customer's request)
Durability	6 to 24 months
Packaging	Rolls wrapped with PE film, inner core diameter is 76 mm, the core could be further supported by plastic lids on both ends of the roll.



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