



Foca Tejarat Damon Co

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16mm, 20mm Pipes



16mm and 20mm Drip Irrigation Pipes

The 16mm and 20mm pipes of this company are produced using the highest quality raw materials of Low-Density Polyethylene (LDPE) in coils of 200 and 400 meters in length. These pipes transfer water from the main pipes to the drippers.

For product packaging, strong plastic straps and stretch wrap are used. Due to their flexibility, these pipes can be coiled around trees for dripper installation and placed on the ground in orchards and farms.

Specifications and Advantages of this product

1. Material Type: Soft Polyethylene, resistant to chemicals and acids.
2. Capability to install drippers directly on the pipe.
3. Easy Installation and connection of fittings.
4. Anti-UV protection and resistant to sunlight exposure.

Pipe Series												
SDR	26		21		17		13.6		11		9	
S	12.5		10		8		6.3		5		4	
Pressure Category												
PE 32			PN 2.5		PN 3.2		PN 4		PN 5		PN 6	
PE 40	PN 2.5		PN 3.2		PN 4		PN 5		PN 6		PN 8	
Nominal size	e max	e min	e max	e min	e max	e min	e max	e min	e max	e min	e max	e min
	16				1.3	1.0	1.5	1.2	1.8	1.5	2.1	1.8
20			1.3	1.0	1.5	1.2	1.8	1.5	2.3	1.9	2.7	2.3



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Dripper Line Pipe



Dripper Line Pipe

The limitation of water resources in terms of quantity and quality, as well as the occurrence of drought in some regions of the country, has led to the use of dripper lines for drip irrigation in order to optimize water usage.

Dripper lines Pipe are made of low-density polyethylene (LDPE) and are mainly produced in 16 mm and 20 mm sizes.

Types of Emitters Used in Dripper lines Pipe:

Normal Emitter: Suitable for flat lands with short lateral lengths.

Pressure Controller emitter (PC): The main advantage of this product is its ability to maintain a constant and uniform flow even when system pressure changes.

Surface Pressure Controller emitter (PCND) or (PCAS): This type of dripper is used in sub-surface irrigation projects and is resistant to reverse siphoning and entry of dirt and debris.

Features of Dripper lines Pipe:

Uniform irrigation on uneven terrain and steep slopes.

Suitable for both surface and sub-surface drip irrigation systems.

Drippers installed at intervals of 15 cm to 200 cm, based on customer requirements.

Constant water flow within the pressure range of 0.5 to 4.5 bars.

Time and labor savings, with a long lifespan.

Solves the issue of drippers coming out of pipe due to expansion and contraction.

Reduces water wastage.

Prevents the growth of weeds around agricultural crops.

Optimizes irrigation for sensitive trees like walnuts and pistachios.



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Labyrinth Tape



Single Blade Labyrinth Drip Irrigation Tape

This product is produced in two sizes, 16 mm and 20 mm, with different hole spacing options for use in fields and greenhouses. The various thicknesses produced help consumers choose based on the type of crop and the allocated budget. Thicknesses of 130, 150, and 175 microns are the most commonly used.

This product is packaged in 1000-meter rolls, with the option to produce 2000-meter rolls if needed.

Key advantages of this product include

1. High softness, flexibility and light weight
2. Water-saving and increased efficiency in the cultivated area
3. Improved crop yield and prevention of weed growth
4. Easy and quick installation with affordable fittings
5. Various flow rates for different hole spacings
6. Low working pressure requirements
7. Resistance to sunlight and chemicals



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Flat Drip Irrigation Tape



Drip Tapes

Drip irrigation Tapes are produced using the highest quality raw materials, with multiple emitter hole distances and precise predetermined flow rates.

The minimum emitter hole spacing in this product is 10 cm.

The flat emitters used have flow rates of 1.25 - 1.6 - 2 - and 2.5 liters per hour.

The tape material is made of soft, flexible polyethylene, which allows it to be easily coiled without cracking or breaking.

The thickness of the irrigation tapes is 200 microns, although other thicknesses can also be produced.

To use this tape, filters with mesh sizes of 120 or 130 are used depending on the flow rate and type of flat emitter.

The rolls of this product are 1500 or 2000 meters long, depending on the type of emitter.

Drip tapes are typically used for row crops such as lettuce, tomatoes, corn, etc., and can be used both greenhouses and field settings.

The main advantages of this product include uniform irrigation, reduced water consumption, optimized usage, and the elimination of the need for land leveling.

Packaging(rolls)	Thickness	Flow Rate(L/h)	Dripper type
1500 m	200 microns	1/25	Nano
		2/5	
		1/6	
2000 m		2	Macro
		2/5	



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Polyethylene Threaded Pipe



Polyethylene Threaded Pipes

Threaded pipes made of polyethylene are flexible, to enhance the strength and durability of the pipes, two layers of polyester thread are added; and currently this product is used in many drip irrigation projects and low-pressure water transfer applications.

The maximum working pressure of these pipe is 1.5 bar, and they are produced in sizes ranging from 2"(50mm) to 8"(200mm).

Advantages of this product

1. Produced using the highest quality raw materials
2. Packaged in 100-meter rolls
3. Resistant to chemicals
4. Easy to transport and store
5. Can be collected at the end of the growing season and reused.
6. Quick and practical installation that requires no special tools.
7. Easy installation of screw connections
8. UV resistant with anti-UV materials.
9. Low decay rate to maintain water quality.
10. A replacement for polyethylene pipes in drip irrigation and water transportation.
11. Composed of a 5-layer structure made of yarn fibers and polyethylene materials.
12. Very low installation cost, compared to polyethylene pipes.



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Lay Flat Hose



Lay Flat Hose

Lay flat hoses are made of PVC material, reinforced with polyester fibers. These hoses have similar applications to regular hoses, typically used in irrigation and agriculture.

Lay flat hoses are produced in sizes ranging from 2 to 6 inches and with working pressures of 3.5 to 4 bars.

Applications and Features of Lay Flat Hoses

- 1-Transportation and distribution of water for irrigation and agriculture
- 2-Mining, petrochemical plants, oil and gas industries, and firefighting
- 3-Easy transportation and storage
- 4-Easy, quick, and cost-effective installation
- 5-Reusable with the possibility of collection and use in other applications
- 6-Non-reactive to a wide range of chemicals and pesticides.
- 7-Exceptional resistance to impact, abrasion, cutting, corrosion, and clogging
- 8-High resistant and sunlight-resistant
- 9-Better and easier sealing
- 10-Environmentally friendly, even after damage.



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