



# DINA POLYMER

Polyethylene drip irrigation pipes

A drop for the greenery of the world

■ Dina Polymer Safahan Company is one of the subsidiaries of **SGP** Industrial Group with 6 drip irrigation production lines in two models: dripper and non- dripper pipes with an annual capacity of 175000 km (almost equivalent to 4.5 times round the Earth's surface). Meanwhile, the production of drip irrigation pipes is based on the latest European technologies and backed with well-equipped laboratories.

## Technical specifications

### Dripper pipes

Pipe diameter (mm)	16	20
Pressure range (bars)	4	4
Packing size (m)	400	400
Average water flow in drippers (Lit/hr)	4 & 2	4 & 2
Drippers space (cm)	min.20	min. 20

### Non-dripper pipes

Pipe range (bars)	16			20		
Pressure range (bars)	4	5	6	4	5	6
Packing size (m)	100 & 400			400		

## Usages

- Irrigation of gardens, green roofs, building enclosures and urban green spaces.

## Advantages

- Having a large flow cross section.
- Excellent resistance to pore clogging.
- Clean filter due to higher water flow speed.
- UV resistance.
- Resistance to corrosion of chemicals and usual fertilizers.
- High irrigation efficiency (about 90%) and loss reduce followed in irrigation systems.
- No runoff or mud and thus, preserving the beauty of urban landscape.
- Protection of valuable herb species, through safe irrigation systems.

## Certificates

- Certificate of conformity of the product with international standard BS EN ISO 9261:2010 from the UK IQS company.
- ISO 9001:2008 quality management certificate from LLC-CERTIFICATION.
- Certificate of compliance with some contries standards for drip irrigation pipes and fittings.

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## DINA POLYMER

Single-layer polyethylene pipes

**A drop for the greenery of the world**

■ Since 2007, Dina Polymer Safahan Company has been active in production of single - layer polyethylene pipes in the sizes of 16 to 315 mm and in the pressure range of 4 to 20 bars. Equipped with 10 production lines according to the latest European technology, the company has achieved an annual production capacity of over 33,000 tons.



### ■ Technical specifications

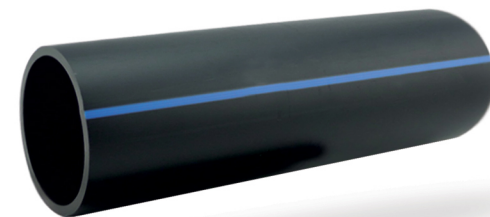
	Pressure range PN in bar							
PE 80	PN 5		PN 6		PN 8		PN 10	
PE 100	PN 6		PN 8		PN 10		PN 12.5	
External diameter	Pipes' head							
	SDR 26		SDR 21		SDR 17		SDR 13.6	
	S 12.5		S 10		S8		S 6.3	
	thickness (mm)	Pipe's weight per meter (kg/m)	thickness (mm)	Pipe's weight per meter (kg/m)	thickness (mm)	Pipe's weight per meter (kg/m)	thickness (mm)	Pipe's weight per meter (kg/m)
(DN) mm								
16	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	2.0	0.150
32	---	---	---	---	2.0	0.197	2.4	0.232
40	---	---	2.0	0.250	2.4	0.295	3.0	0.356
50	2.0	0.314	2.4	0.374	3.0	0.453	3.7	0.549
63	2.5	0.494	3.0	0.580	3.8	0.721	4.7	0.873
75	2.9	0.675	3.6	0.828	4.5	1.020	5.6	1.240
90	3.5	0.978	4.3	1.180	5.4	1.460	6.7	1.770
110	4.2	1.430	5.3	1.770	6.6	2.170	8.1	2.620
125	4.8	1.840	6.0	2.270	7.4	2.760	9.2	3.370
140	5.4	2.320	6.7	2.830	8.3	3.460	10.3	4.220
160	6.2	3.040	7.7	3.720	9.5	4.520	11.8	5.500
180	6.9	3.790	8.6	4.670	10.7	5.710	13.3	6.980
200	7.7	4.690	9.6	5.780	11.9	7.050	14.7	8.560
225	8.6	5.890	10.8	7.300	13.4	8.930	16.6	10.900
250	9.6	7.300	11.9	8.930	14.8	11.000	18.4	13.400
315	12.1	11.600	15.0	14.200	18.7	17.400	23.2	21.200

### ■ Advantages

- Life expectancy between 50 to 100 years.
- Resistance to sudden pressure changes.
- Sound, temperature and electricity resistance.
- Mechanical strength despite low density.
- Corrosion and chemical effect resistance.
- Low weight and simple handling with the least number of fittings, leads to a fast, easy and cheap installation, with no leaking.
- Capability of being used in areas with unstable cortical tissue.
- Using modern European machineries in production process.
- Equipped with an accredited laboratory to perform some 23 tests.
- High reliability and insignificant failures against quakes in hazardous areas.
- Low friction coefficient and its constancy throughout the application period.

### ■ Certificates

- Product conformity certificate to International Standard DIN 8074: 2011 from IQS UK Compliance Certificate.
- Product conformity certificate to International Standard EN 1555: 2010 of IQS UK.
- Certificate of Compliance with Russian Standards for Pipelines and Fittings by Water and Gas Supply.
- ISO 9001: 2008 Quality Management Certificate from LLC-CERTIFICATION.
- Membership of Polyethylene Pipes and Fittings Producers.



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