KEY BENEFITS

- **Exceptional Durability**
  - Engineered with high-quality PE100 material for long-lasting performance
  - Resistant to chemical degradation, ensuring an extended lifespan of up to 50 years
  - Withstands high water pressure and environmental stresses
- **Enhanced Water Quality and Safety**
  - The inner layer contains titanium dioxide particles, providing antibacterial properties
  - Minimizes the release of harmful organic substances into the water
  - Complies with international standards for drinking water safety
- **Efficient Water Transportation**

YOUR TRUSTED PARTNER IN WATER TRANSPORTATION SOLUTION

Contact our sales team today to learn how our innovative triple-layer polyethylene pipes can benefit your water infrastructure projects.

GET IN TOUCH

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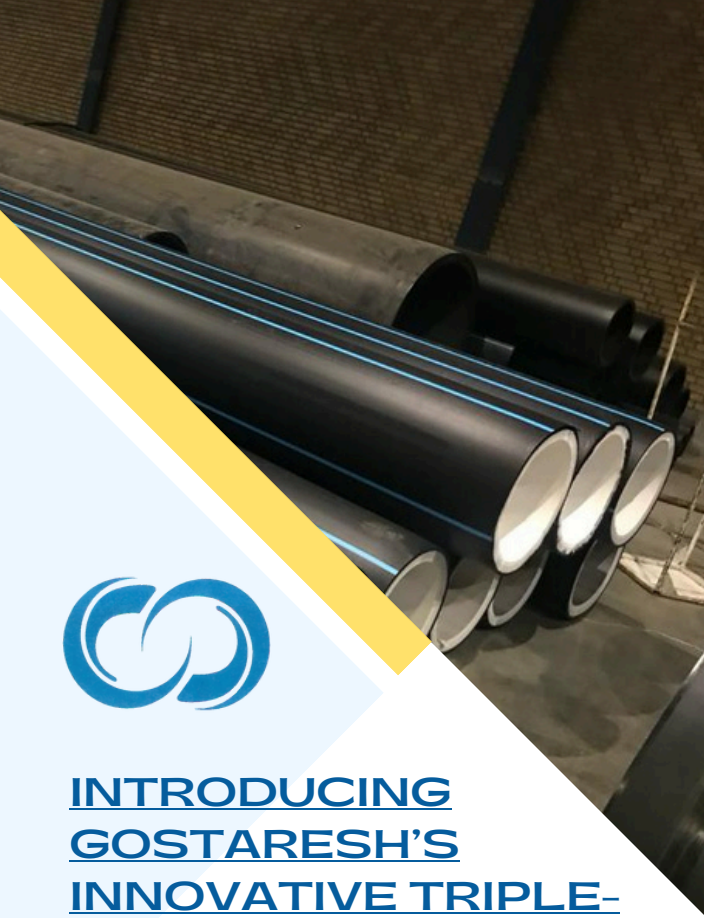
6th Floor - No. 26 - 9th Alley - Vozara AVE. - Tehran

GOSTARESH PLASTIC

Manufacturer of all Types of single-layer, three-layer, drip and tape pipes and polyethylene fittings



INTRODUCING GOSTARESH'S INNOVATIVE TRIPLE-LAYER POLYETHYLENE PIPES

Discover the Future of Water Transportation with Enhanced Durability, Safety, and Efficiency

Invest in the Future of Water Infrastructure: By choosing Gostaresh's triple-layer polyethylene pipes, you are investing in a sustainable, efficient, and safe solution for water transportation.

Our state-of-the-art triple-layer polyethylene pipes are designed to outperform conventional single-layer pipes, offering superior durability, water quality, and efficiency.

GOSTARESH'S ADVANTAGE

Advanced Triple-Layer Construction:

- Outer Layer: PE100 with pigment for UV protection and external durability
- Middle Layer: Colorless PE100 for structural integrity and flexibility
- Inner Layer: White PE100 with titanium dioxide for antibacterial properties and water purity

Proven Performance:

- Extensive testing demonstrates superior resistance to chlorine-based disinfectants compared to single-layer pipes
- Minimal release of organic compounds, ensuring safe and clean drinking water
- Maintains excellent mechanical properties and crack resistance under high water pressure and environmental stresses

PIPE SERIES	20			16			12.5			10			8			6.3			5			4			3.2			2.5		
SDR	41			33			26			21			17			13.6			11			9			7.4			6		
PE 80	PN 3.2			PN 4			PN 5			PN 6			PN 8			PN 10			PN 12.5			PN 16			PN 20			PN 25		
PE 100	PN 4			PN 5			PN 6			PN 8			PN 10			PN 12.5			PN 16			PN 20			PN 25			-----		
d mm	e_{min}	e_{max}	Mass in Kg/m	e_{min}	e_{max}	Mass in Kg/m	e_{min}	e_{max}	Mass in Kg/m	e_{min}	e_{max}	Mass in Kg/m	e_{min}	e_{max}	Mass in Kg/m	e_{min}	e_{max}	Mass in Kg/m	e_{min}	e_{max}	Mass in Kg/m	e_{min}	e_{max}	Mass in Kg/m	e_{min}	e_{max}	Mass in Kg/m	e_{min}	e_{max}	Mass in Kg/m
63	[1]1.8	2.1	0.364	2.0	2.3	0.399	2.5	2.9	0.494	3.0	3.4	0.580	3.8	4.3	0.721	4.7	5.3	0.873	5.8	6.5	1.05	7.1	8.0	1.26	8.6	9.6	1.47	10.5	11.7	1.73
75	2.0	2.3	0.467	2.3	2.7	0.551	2.9	3.3	0.675	3.6	4.1	0.828	4.5	5.1	1.02	5.6	6.3	1.24	6.8	7.6	1.47	8.4	9.4	1.76	10.3	11.5	2.09	12.5	13.9	2.44
90	2.2	2.6	0.643	2.8	3.2	0.791	3.5	4.0	0.978	4.3	4.9	1.18	5.4	6.1	1.46	6.7	7.5	1.77	8.2	9.2	2.12	10.1	11.3	2.54	12.3	13.7	3.00	15.0	16.7	3.51
110	2.7	3.1	0.943	3.4	3.9	1.17	4.2	4.8	1.43	5.3	6.0	1.77	6.6	7.4	2.17	8.1	9.1	2.62	10.0	11.1	3.14	12.3	13.7	3.78	15.1	16.8	4.49	18.3	20.3	5.24
125	3.1	3.6	1.23	3.9	4.4	1.51	4.8	5.4	1.84	6.0	6.7	2.27	7.4	8.3	2.76	9.2	10.3	3.37	11.4	12.7	4.08	14.0	15.6	4.87	17.1	19.0	5.77	20.8	23.0	6.75
140	3.5	4.0	1.54	4.3	4.9	1.88	5.4	6.1	2.32	6.7	7.5	2.83	8.3	9.3	3.46	10.3	11.5	4.22	12.7	14.1	5.08	15.7	17.4	6.11	19.2	21.3	7.25	23.3	25.8	8.47
160	4.0	4.5	2.0	4.9	5.5	2.42	6.2	7.0	3.04	7.7	8.6	3.72	9.5	10.6	4.52	11.8	13.1	5.50	14.6	16.2	6.67	17.9	19.8	7.96	21.9	24.2	9.44	26.6	29.4	11.0
180	4.4	5.0	2.49	5.5	6.2	3.07	6.9	7.7	3.79	8.6	9.6	4.67	10.7	11.9	5.71	13.3	14.8	6.98	16.4	18.2	8.42	20.1	22.3	10.1	24.6	27.2	11.9	29.9	33.0	14.0
200	4.9	5.5	3.05	6.2	7.0	3.84	7.7	8.6	4.69	9.6	10.7	5.78	11.9	13.2	7.05	14.7	16.3	8.56	18.2	20.2	10.4	22.4	24.8	12.4	27.4	30.3	14.8	33.2	36.7	17.2
225	5.5	6.2	3.86	6.9	7.7	4.77	8.6	9.6	5.89	10.8	12.0	7.30	13.4	14.9	8.93	16.6	18.4	10.9	20.5	22.7	13.1	25.2	27.9	15.8	30.8	34.0	18.6	37.4	41.3	21.8
250	6.2	7.0	4.83	7.7	8.6	5.92	9.6	10.7	7.30	11.9	13.2	8.93	14.8	16.4	11.0	18.4	20.4	13.4	22.7	25.1	16.2	27.9	30.8	19.4	34.2	37.8	23.0	41.5	45.8	27.0
280	6.9	7.7	5.98	8.6	9.6	7.40	10.7	11.9	9.10	13.4	14.9	11.3	16.6	18.4	13.7	20.6	22.8	16.8	25.4	28.1	20.3	31.3	34.6	24.3	38.3	42.3	28.9	46.5	51.3	33.8
315	7.7	8.6	7.52	9.7	10.8	9.37	12.1	13.5	11.6	15.0	16.6	14.2	18.7	20.7	17.4	23.2	25.7	21.2	28.6	31.6	25.6	35.2	38.9	30.8	43.1	47.6	36.5	52.3	57.7	42.7
355	8.7	9.7	9.55	10.9	12.1	11.8	13.6	15.1	14.6	16.9	18.7	18.0	21.1	23.4	22.1	26.1	28.9	26.9	32.2	35.6	32.5	39.7	43.8	39.1	48.5	53.5	46.3	59.0	65.0	54.3
400	9.8	10.9	12.1	12.3	13.7	15.1	15.3	17.0	18.6	19.1	21.2	22.9	23.7	26.2	28.0	29.4	32.5	34.1	36.3	40.1	41.3	44.7	49.3	49.6	54.7	60.3	58.8	--	--	--
450	11.0	12.2	15.3	13.8	15.3	19.0	17.2	19.1	23.5	21.5	23.8	28.9	26.7	29.5	35.4	33.1	36.6	43.2	40.9	45.1	52.3	50.3	55.5	62.7	61.5	67.8	74.4	--	--	--
500	12.3	13.7	19.0	15.3	17.0	23.4	19.1	21.2	28.9	23.9	26.4	35.7	29.7	32.8	43.8	36.8	40.6	53.3	45.4	50.1	64.5	55.8	61.5	77.3	--	--	--	--	--	--