



PARSIAN PIPE COMPANY

Quality
Reliability
Responsibility
Our Commitment

🌐 website: parsianpipe.com
☎ Phone: +98 21 885 20610
📞 WhatsApp: +98 912 895 6440
✉ Email: info@parsianpipe.com
— international_manager@parsianpipe.com



SCAN ME

About us

Founded in 2002, Parsian Pipe Company is a leading provider of premium polyethylene solutions for domestic, agricultural, and industrial water supply. Our commitment to quality and responsibility has earned us customer trust, allowing us to expand to over 10 production lines and diversify our offerings. With over 20 years of experience, we are pioneers in the polyethylene industry.

Our state-of-the-art facility in Shamsabad Industrial City spans 8,000 square meters with advanced technology, enabling us to meet diverse customer needs.

We specialize in producing polyethylene water supply pipes using 11 advanced production lines, capable of manufacturing **A-grade** pipes with diameters from **16 to 500** millimeters in **PE80** and **PE100** grades, with pressure resistance from **2.5 to 32** bar. Our products are suitable for water and gas transfer, certified to international standards, and backed by a **10-year warranty** from Iran Insurance.

Since expanding our product range in 2013, we proudly offer a variety of polyethylene products, including irrigation drip tapes, gas transfer pipes, plastic products, nylon items, and polymer compounds.



Quality and Accreditations

We are committed to delivering top-quality products, supported by a range of certifications and accreditations:

- › **Certifications:** ISO 9001, ISO 14001, ISO 45001, ISO 10002, ISO 10004, ISO 29001, HSE-MS, ISIRI-ISO/IES 17025:2017, INSO 14427-2, INSO 7607, IGS-M-PL-014-1, INSO 6775, Food Contact certificate.
- › Approved vendor for the National Gas Company of Iran and Jihad Agriculture Water and Deputy.
- › **grade A** from the Association of PE Pipe & Fitting Producers.
- › **10-year** guarantee
- › Strong focus on maintaining customer confidence.

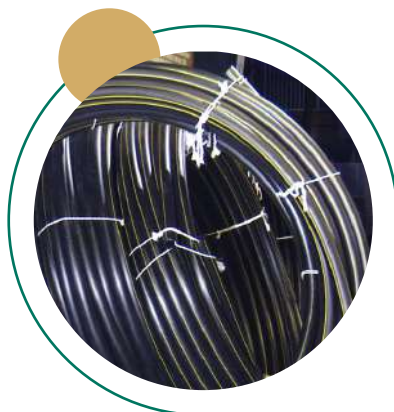


Product Categories



Irrigation tapes

used for efficient drip and rain irrigation in agricultural lands.



Gas pipes

Specifically engineered for gas transmission



Water supply pipes

Designed for household use, irrigation, agriculture, and water and sewage transfer.



Plastic flexible packaging and Nylex products

Including a range of nylon and nylex items, wide agricultural nylons, freezer bags, and disposable tablecloths.



Polymer compounds

used for efficient drip and rain irrigation in agricultural lands.

Vision

To strategically advance our business and establish ourselves as a powerful, leading, and innovative force in the global polyethylene industry.

Mission

To manufacture world-class polyethylene products with cutting-edge technology, meeting diverse customer needs through sustainable, trust-based relationships.

Principles

Quality Excellence: Uphold the highest standards of quality

Reliability and Consistency: Deliver reliable solutions consistently, meeting customer expectations

Ethical Responsibility: Conduct business with integrity, social and environmental responsibility

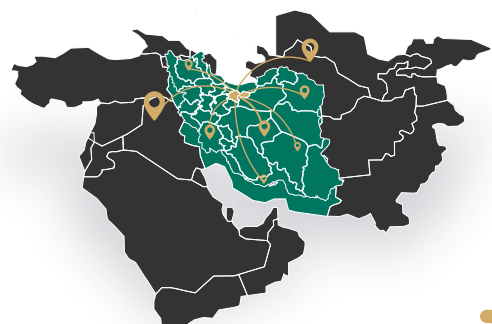
Export development plan

With over twenty years of experience, we are dedicated to a strong export development strategy targeting the Middle East, GCC countries, our neighbors, and markets around the world. Our goal is to deliver a diverse range of high-quality products efficiently. Our substantial production capacity and specialized distribution network ensure prompt fulfillment of customer orders.

Our Experience

Over the past two decades, we have proudly collaborated with a wide range of sectors, including major contractors and esteemed organizations involved in significant national and regional piping projects for gas and water transmission. Our products are designed to perform in diverse climatic conditions, consistently receiving high customer satisfaction ratings.

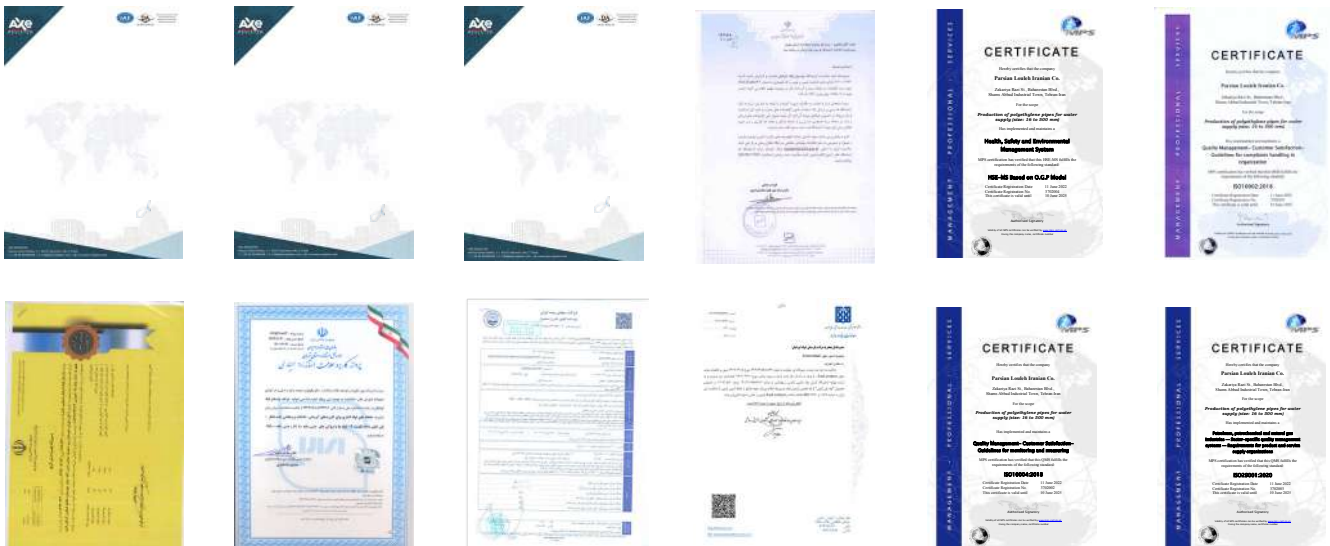
- Water and wastewater companies across all provinces of Iran
- Municipalities in cities like Tehran, Kahrizak, and New Parand
- Agricultural Jihad organizations in multiple provinces
- Mehrabad Airport and Imam Khomeini International Airport
- Milad Hospital
- Pars Special Economic Zone
- Grand Mosque of Tehran
- Tehran Metro Company
- Milad Tower
- Various industrial zones in Iran
- Velayat Park Complex
- Iran Khodro Company
- Persi Iran Gas Company
- Petrochemical companies



Certificate

Parsianpipe is committed to upholding the highest standards of quality across its operations. Our dedication to quality control is reflected in our extensive range of certifications and approvals, including:

- ISO 45001-2018** Highlights focus on maintaining a safe and healthy work environment.
- ISO 14001-2015** Reflects commitment to environmental management and sustainable practices.
- ISO 9001-2015** Highlights focus on maintaining a safe and healthy work environment.
- HSE-MS Based on O.G.P Model** Adheres to the Health, Safety, and Environment Management System based on the International Association of Oil & Gas Producers (O.G.P) Model.
- ISO 29001** Ensures compliance with quality management standards in the petroleum and natural gas industries.
- ISO 10004** Validates dedication to monitoring and measuring customer satisfaction.
- IGS-M-PL-014-1** Certifications for compliance with specific national standards for Gas Pipe
- INSO 7607** Certifications for compliance with specific national standards for LDPE Water Pipe
- INSO 14427-2** Certifications for compliance with specific national standards for HDPE Pater Pipes
- ISO 10002** Certifies effective processes for handling customer complaints and feedback.
- ISIRI-ISO/IES 17025.2017** Acknowledges competence in testing and calibration laboratories.
- INSO 6775** Recognizes expertise and quality in the field of drip irrigation tape



Quality Control

We maintain a robust system for inspecting and testing raw materials, as well as monitoring the process and final product to ensure compliance with specifications and standards.

Our laboratory is equipped with precise devices and facilities, overseen by certified experts from the Standard Department of Iran. We conduct thorough supervision and inspections through the following tests, ensuring the highest quality standards for our valued customers.

Final Product Tests:

- › Hydrostatic test
- › BURST test
- › Melt Flow Index (MFI)
- › Determination of soot percentage
- › Thermal return
- › Water effect and soot dispersion
- › Appearance specifications/dimensions/density
- › Oxidation Induction Time (OIT)
- › Tensile testing

Raw Material Tests:

- › Melt Flow Index (MFI)
- › Determination of soot percentage
- › Determination of masterbatch soot percentage
- › Density measurement
- › Oxidation Induction Time (OIT)

At Parsianpipe we are committed to delivering the best services with the highest quality standards to our esteemed customers.



Products

The company has the following major product lines:

Polyethylene pipe:

Polyethylene pipes are the preferred choice for urban facilities and water transmission lines due to their exceptional resistance to corrosion and lightweight, flexible composition. They offer easy installation, high pressure and impact resistance, and durability. These pipes have Excellent chemical resistance, smooth walls to prevent clogs, a long lifespan, and are cost-effective compared to other materials. also these pipe are:

- › Weldable joints for enhanced reliability
- › Exceptional resistance to ground vibrations and earthquakes
- › Chemically inert, ensuring water purity

Applications of polyethylene pipe

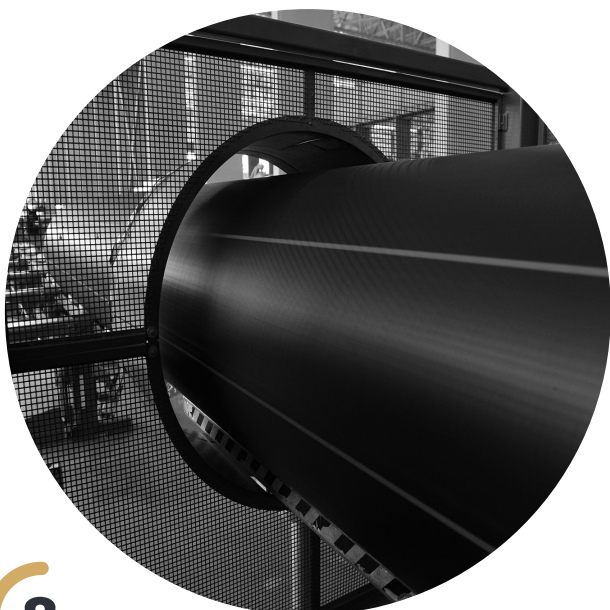
Polyethylene pipes are widely used in the following sectors:

Urban and rural water supply networks Gas supply networks Drainage networks

Mobile irrigation systems Industrial and chemical liquid and wastewater systems

Electric cable protection Telecommunication cable and optical fiber protection

Pressurized irrigation networks (drip and rain) Urban and rural sewage networks



Specifications of Polyethylene Pipes for Water and Gas

Parsian Pipe began by producing polyethylene water pipes according to water transfer standards. Over the years, the company expanded to include gas pipes, gaining approval from the National Gas Company of Iran and becoming an approved vendor.

The company offers a wide range of polyethylene water and gas pipes in various sizes and pressure ratings, tailored to meet customer needs. The following tables will present the technical specifications for our water and gas pipes.

Dimensional Specifications of Gas Pipe

size	Thickness				Diameter		Maximum Dual-Wall Diameter	Strip Width	Pipe Length
	SDR 11(PN16)		SDR 13.6(PN12.5)		Dem (min)	Dem (max)			spool
	e(min)	e(max)	e(min)	e(max)					
25(PN20)	3	3.4	-	-	25	25.3	1.2	3-5	100
32	3	3.4	-	-	32	32.3	1.3	3-5	100
63	5.8	6.5	4.7	5.3	63	63.4	1.5	3-5	100
90	8.2	9.2	6.7	7.5	90	90.6	1.8	5-10	50
110	-	-	8.1	9.1	110	110.7	2.2	5-10	50
125	-	-	9.2	10.3	125	125.8	2.5	5-10	-
160	-	-	11.8	13.1	160	161	3.2	5-10	-
200	-	-	14.7	16.3	200	201.2	4	5-12	-
225	-	-	16.6	18.4	225	226.4	4.5	5-12	-



Irrigation drip tape

Drip tapes are a cost-effective solution for drip irrigation, especially in vegetable farming. Our drip irrigation tapes come in two types: Seamed (or Labyrinth) Drip Irrigation Tape and Plate Drip Irrigation Tape. They ensure efficient and precise watering for small gardens, row crops, and larger agricultural fields, optimizing water usage and enhancing crop yield.

Key Features and Advantages:

- › Easy and quick installation
- › Standardized connections for compatibility
- › Versatile application methods (manual or mechanical)
- › Mineral deposit resistance for uninterrupted flow
- › Increased crop yield and weed prevention
- › UV and chemical resistance for durability
- › Water conservation for efficient usage
- › Flexible installation options



Types of Tape Irrigation:



1 Seamed or Labyrinth Drip Irrigation Tape

Features a zigzag-shaped seam on the side, allowing water to drain through the tape's side holes.



2 Plate Drip Irrigation Tape

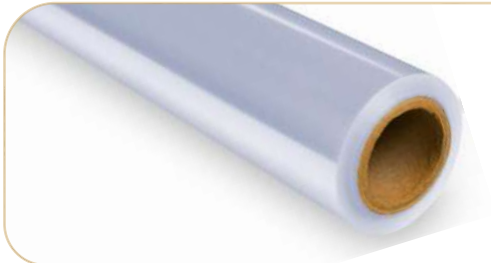
Utilizes a flat dropper plate for high uniformity water distribution.

The following table showcases the features of our seamed drip tapes. For additional options or inquiries, please contact us.

16 mm seamed drip tapes (1 bar)			
Dripper spacing (cm)	Thickness (Micron)	Flow rate (lit/h)	Roll Length (m)
10	175	2	1000
20	175	2.5	1000
30	175	3	1000



Plastic flexible packaging products wide agricultural nylons, freezer bags and disposable tablecloths.



Cellophane

versatile transparent and moisture-resistant packaging material like metalized cellophane, OPP cellophane, and CPP cellophane.



Shrink Film

Secure and tight wrapping films, including nylon, PVC, and bottle shrink film.



Stretch Films

Load-stable films for transportation and storage, such as power wrap stretch film, silage film, and handwrap film.



Pouch Packaging

Durable bags for waste disposal in various settings.



Bubble Wrap Nylon

Cushioning and protective bubble wrap nylon in various variations, including single-layer, metalized, and multi-layer



Garbage Bags

Secure and tight wrapping films, including nylon, PVC, and bottle shrink film.



Freezing Bags

Low-temperature-resistant bags for storing and protecting food in freezers.



Single-Use Table Cloths

Disposable table cloths for events, parties, and occasions requiring convenience and cleanliness.



Barricade Tape

Highly visible and durable tape for marking off restricted areas or providing warnings in construction sites, events



Vacuum Packaging

Shelf-life-extending clothing vacuum bags, thermal vacuum bag film, and food vacuum bags.



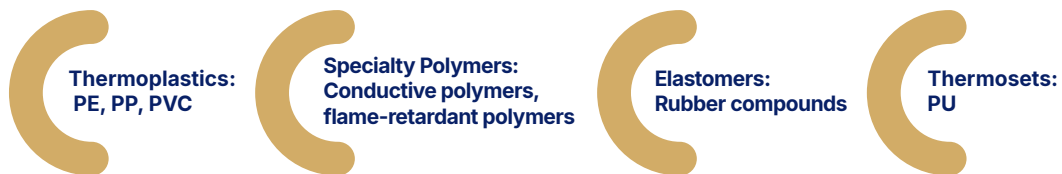
Nylon and Nyllex

Exceptionally strong and durable products such as greenhouse nylon, vacuum nylon, mulch nylon, and plastic carrier bags

produce and provide polymer compounds

Producing polymer compounds is an advanced, high-tech process that demands specialized knowledge and expertise. The formulation is vital, as each unique blend delivers distinct features tailored for specific applications. Our four main types—thermoplastics, thermosets, elastomers, and specialty polymers—offer a spectrum of performance benefits. Parsian Pipe proudly introduces its innovative line of polymer compounds, expertly crafted to meet any customer requirement. With cutting-edge technology and a dedicated team, we can create formulations that provide outstanding mechanical strength, exceptional chemical resistance, and remarkable versatility, ensuring your projects achieve optimal results in any industrial setting

Types of Polymer Compounds:



Types of Polymer Compounds:

Automotive

Interior and exterior components,
electrical connectors

Construction

Pipes, fittings, insulation, roofing materials
Packaging: Films, containers

Electrical and Electronics

Cables, connectors, insulators

Medical

Equipment components, packaging

Consumer Goods

Toys, household items

Tailored Solutions:

Collaborating closely with our customers, we customize our polymer compounds to meet specific requirements. Whether you need exceptional mechanical strength for structural components or superior chemical resistance for corrosive environments, our team will assist you in finding the optimal solution.

Do not hesitate to contact us for further information.



Polyethylene pipe

PIPE SERIES	20			16			12.5			10			8		
SDR	41			33			26			21			17		
Pe 80	PN 3.2			PN 4			PN 5			PN 6			PN 8		
Pe 100	PN 4			PN 5			PN 6			PN 8			PN 10		
d mm	e min	e max	Mass in kgm	e min	e max	Mass in kgm	e min	e max	Mass in kgm	e min	e max	Mass in kgm	e min	e max	Mass in kgm
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	¹⁾ 2.0	2.3	0.192
40	-	-	-	-	-	-	1.8	2.1	0.227	¹⁾ 2.0	2.3	0.243	2.4	2.8	0.295
50	-	-	-	¹⁾ 1.8	2.1	0.287	2.0	2.3	0.314	2.4	2.8	0.374	3.0	3.4	0.453
63	¹⁾ 1.8	2.1	0.364	2.0	2.3	0.399	2.5	2.9	0.494	3.0	3.4	0.58	3.8	4.3	0.721
75	2.0	2.3	0.468	2.3	2.7	0.551	2.9	3.3	0.675	3.6	4.1	0.828	4.5	5.1	1.02
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
110	2.7	3.1	0.943	3.4	3.9	1.17	4.2	4.8	1.43	5.3	6	1.77	6.6	7.4	2.17
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
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
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
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
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
225	5.5	6.2	3.86	6.9	7.7	4.77	8.6	9.6	5.89	10.8	12.0	7.3	13.4	14.9	8.93
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
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
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
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
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
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
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

Prepared per DIN8074 and INSO 2-14427 for polyethylene piping systems in water supply, sewage, and pressure drainage, with a safety factor of 1.25 at 20°C and a 50-year service life.

feature for water

6.3			5			4			3.2			2.5		
13.6			11			9			7.4			6		
PN 10			PN 12.5			PN 16			PN 20			PN 25		
PN 12.5			PN 16			PN 20			PN 25					
e min	e max	Mass in kgm	e min	e max	Mass in kgm	e min	e max	Mass in kgm	e min	e max	Mass in kgm	e min	e max	Mass in kgm
-	-	-	-	-	-	¹⁾ 2.0	2.3	0.089	¹⁾ 2.3	2.7	0.101	¹⁾ 3.0	3.4	0.123
-	-	-	2.0	2.3	0.115	2.3	2.7	0.133	¹⁾ 3.0	3.4	0.161	3.4	3.9	0.180
¹⁾ 2.0	2.3	0.147	2.3	2.7	0.171	3.0	3.4	0.209	3.5	4.0	0.240	4.2	4.8	0.278
2.4	2.8	0.232	3.0	3.4	0.275	3.6	4.1	0.327	4.4	5.0	0.386	5.4	6.1	0.454
3.0	3.5	0.356	3.7	4.2	0.430	4.5	5.1	0.509	5.5	6.2	0.600	6.7	7.5	0.701
3.7	4.2	0.549	4.6	5.2	0.666	5.6	6.3	0.788	6.9	7.7	0.936	8.3	9.3	1.09
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
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
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	16.7	3.51
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
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
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
11.8	13.1	5.5	14.6	16.2	6.67	17.9	19.8	7.96	21.9	24.2	9.44	26.6	29.4	11.0
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
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
16.6	18.4	10.9	20.5	22.7	13.1	25.2	27.9	15.8	30.8	34	18.6	37.4	41.3	21.8
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
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
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
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	65	54.3
29.4	32.5	34.1	36.3	40.1	41.3	44.7	49.3	49.6	54.7	60.3	58.8	66.5	73.3	68.9
33.1	36.6	43.2	40.9	45.1	52.3	50.3	55.5	62.7	61.5	67.8	74.4	-	-	-
36.8	40.6	53.3	45.4	50.1	64.5	55.8	61.5	77.3	68.3	75.3	91.8	-	-	-

مُعد وفقاً لمعايير DIN 1074 و INSO 2-14427 لأنظمة أنابيب البولي إيثيلين في إمدادات المياه. والصرف الصحي، والتصريف تحت الضغط، مع معامل أمان 1/25 عند درجة حرارة 20 درجة مئوية وعمر خدمة 50 سنة