

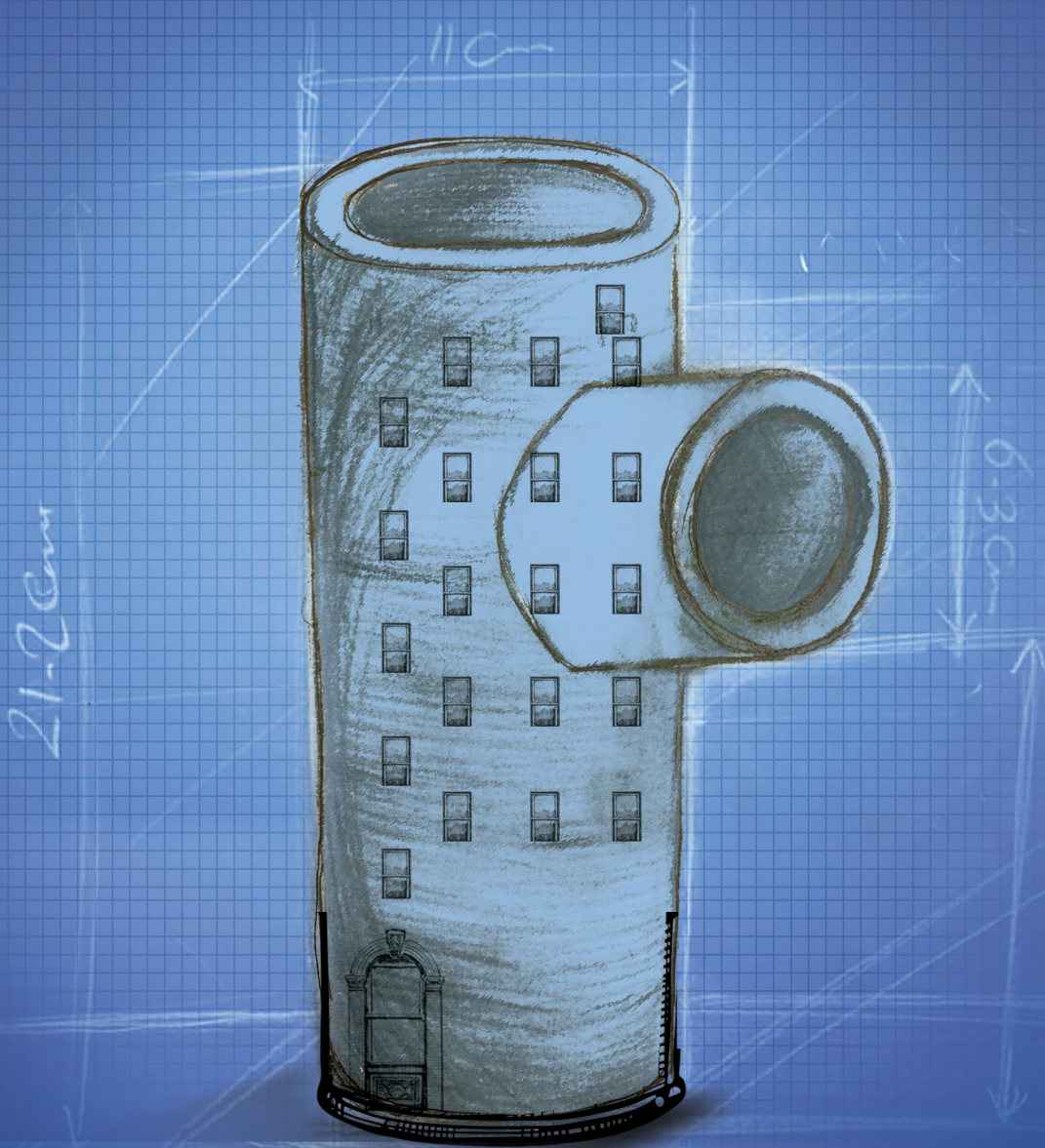
Qatran Ettesal

Sewage welded polyethylene pipes and fittings

■ Polyethylene pipes and fittings welded by Qatran Ettesal is a suitable choice for sewage and rainwater piping systems, now available in the sales network of Gitikala Iranian.

Established in 1991 in industrial town of Shargh Semnan, Qatran Ettesal came to produce polyethylene pipes and fittings, within a factory with an area of 12000 square meters.

Using the most modern machines in the world, the best raw materials, and the newest methods in production, this company has constantly been trying to provide its customers with high quality products. The production capacity of this industrial group in the pipe and fittings sector is about 30,000 tons per year, which also includes the whole building sewage , electrofusion and high pressure fittings.



Technical specifications

Color		Black
Hazen-Williams roughness index		150
long term elasticity	Mpa	200
Tensile strength	Mpa	23
Linear coefficient of thermal expansion	m/mK	0.17
Thermal conductivity coefficient	W/m ² K	0.43
standard life time	Years	50
Chemical resistance	PH	ISO 10358

Features

- High flexibility and impact resistance.
- Polished internal surfaces and hence, no sediments.
- High resistance to all kinds of chemicals (acids, bases, etc.).
- A variety of connections to ease implementation.
- Light weight and easy to carry.
- Long life.
- Quake and subsidence resistance.



Usages

- Wastewater disposal of commercial and high buildings, hotels and hospitals.
- Rainwater piping systems.
- Branch sewer pipes.

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MULTIPIPE

PVC-U pipes and fittings

Economical water sealing system

Novin Ettesar Polymer Giti Company is one of the factories of Giti Pasand Industrial Group. This company operates in producing PVC-U sewage pipes and fittings branded as **MULTIPIPE**. These pipes and fittings are being produced from the size 50 to 160 mm and have been marketed since 2023.

■ Technical specifications

Size	Thickness (mm)	Application
50	3	B
63	3	B
90	3	BD
110	3.2	BD
125	3.2	BD
160	3.2	B
160	4	BD

- Sewage (adhesive) pipes

Size	Thickness (mm)	Application
50	1.8	R
63	1.8	R
90	1.8	R
110	2.2	R
125	2.5	R

- Rainwater pipes (spout)

■ Advantages

- Efficient and economical.
- Non-clogging or sedimentation.
- Completely smooth and polished inner surface.
- Ease of access.
- Quick installation.
- Fire & heat resistance (slow- burning).
- Long life.
- Resistance to decay and corrosion.
- Electricity resistant.
- Resistance to impact and pressure.

■ Usages

- Wastewater disposal of residential and commercial buildings, offices, hotels, hospitals, etc.
- Building ventilation systems.
- Rainwater drainage systems.



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NEWFLEX

Polypropylene sewage push-fit
pipes and fittings

Half a century of tranquility

■ Novin Ettesar Pardis Gostaresh Company, one of the subsidiaries of **SGP** has been established in 2007 to produce polypropylene sewage push-fit pipes and fittings. Under the NewFlex brand, the company produces its products in the sizes of 50 to 160 mm in B, BD and silent types.

■ Technical specifications

Color	Mid-gray RAL 7037	
Density	g/cm ³	0.91
Tensile strength at 20 c°	N/mm ²	30
Yield stress	N/mm ²	21
Flexibility factor	N/mm ²	1200
Elongation	%	800
Bending stress	N/mm ²	20
Elasticity	N/mm ²	350
Impact strength	kJ/m ²	25
Thermal conductivity	W/m ² K	0.23
Linear expansion coefficient	m/mK	0.00015
Roughness index	mm	0.007
PH rate		2-12



■ Advantages

- High impact resistance, even at temperatures below 0 °c.
- High thermal resistance to hot outlet water of dishwashers and washing machines.
- Easy installation (no adhesive or welding).
- Smooth inner surfaces of the pipes and the fittings.
- No sediment due to roughness index less than 0.007 mm.
- Quick installation without using any complex equipment.
- Resistace to various types of chemicals (acids, bases, ...), detergents, stain removers, and etc.
- Fire resistance in likely combustions.
- Wide variety of fittings for easy installation and disassembling.
- Resistance to microorganisms and rodents.
- Lightweight and easy to carry.
- Long life.
- Quake and subsidence resistance.

■ Usages

- Sewage disposal systems of residential buildings, offices, complexes, hotels and hospitals.
- Condensate water drainage of air conditioning systems.
- Urban sewage pipes.
- Rain water collection systems.

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SGP Tools
Plumbing Tools | Plumbing all-rounder

■ In order to support SGP Industrial Group products, Ati Ghet'e Sepahan Company, was inaugurated in 1988 and managed to design and produce tools to ease the installation of the Group's manufactured products.
To supply quality products, easily applicable and with good after-sales services is considered as the strategic goal of this company in order to improve customers' satisfaction.

■ Five-layer Pipe Hydraulic Press

This press is a useful tool for installing press fittings from the size 16 to 63 mm. The time of each operating period equals to 10,000 press cycles, after which the tool must be delivered to the company official agency for technical services. The tool warranty period is one year or 10,000 initial press cycles.

Driving force	Battery charging time	Pressing time	Press performance	Sound level	Vibrations	Battery voltage
33KN At least	1h	4 to 11 seconds depending on the ring size	About 150 presses per charge	75 dB at a distance of one meter	3.5 m/s	12 V



■ Fusion Welding Set box

In order to carry out plumbing with one and three layer PPRCT pipes, a welding tool and its accessories are produced and placed in a box for ease of transportation and supplied to customers with one-year warranty.

This box contains welding machine, element plate, support, meter, pipe cutter, mold wrench and molds in the sizes of 20 to 40 mm.



■ Fusion Welding Tool

This device can be supplied separately with one-year warranty and used for plumping purposes of large-size PPRCT pipes from 63 to 125 mm.



■ Welding Molds

Welding molds can be provided in sizes of 20, 25, 32, 40, 50, 63, 75, 90, 110 and 125 mm.



■ Five-layer Pipes Press Jaw

This set including 4 sizes of jaws, for pressing different sizes (16, 20, 25, 32, 40, 50, 63 mm) of pipes, is offered to the market along with the hydraulic press of SGP brand.



■ Five Layer Pipe Bending Tool

In order to facilitate bending and avoid breaking the aluminum foil of five-layer pipes, this pipe bender has been designed and built for accurate bending of pipes involving four sizes of 16, 20, 25 and 32 mm up to 90°.



■ Newflex Stopper Test Tool

This device can be used in order to facilitate the pipe testing process and to ensure proper and standard plumbing for push-fit PP pipes in the size of 110 to 160 mm.



■ Five-layer Pipe Tool Box

Tools required by a five-layer pipe plumber include three sizes of springs (16, 20 and 25 mm), 32 mm calibrator, star PEX calibrators (the sizes 16, 20 and 25 mm), a pipe cutter and a meter in the tool box.



■ Pipe stapler

This device has been produced and marketed to improve the quality level, and to speed up the piping installation and implementation procedures during which floor heating systems are set up using five-layer pipes.



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NEWFLEX

Silent (3-layer) sewage
pipes and fittings

Half a century of tranquility

Novin Ettesar Pardis Gostaresh Company is one of the subsidiaries of SGP Industrial Group. The company has been producing silent 3-layer sewage pipes and fittings since 2016.

Three layer silent push-fit pipes are produced in different diameters of 50 to 160 mm.

Technical specifications

Color	Papyrus white RAL 9018	
Density	g/cm ³	1.507
Tensile strength at 20 °c	N/mm ²	25
Yield stress	N/mm ²	20
Flexibility factor	N/mm ²	800
Elongation	%	150
Bending stress	N/mm ²	20
Elasticity	N/mm ²	2600
Impact strength	kJ/m ²	30
Thermal conductivity	W/m ² K	0.55
Linear expansion coefficient	m/mK	0.09
Roughness index	mm	0.007
PH rate	2-12	

Advantages

- Less sound transmission to adjacent surroundings.
- Impact resistance even at below zero temperatures.
- Smooth inner surfaces of the pipes and the fittings and hence, no sediments.
- Easy installation (no adhesive or welding).
- Quick installation without using any complex equipment.
- Wide variety of fittings for easy installation and disassembling.
- Long life.
- Quake and subsidence resistance.



Usages

- Sewage disposal systems of residential buildings, offices, complexes, hotels and hospitals.
- Condensate water drainage of air conditioning systems.
- Urban sewage pipes.
- Rain water collection systems.

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