

PRODUCT CATALOGUE

ABOUT US

Our firm was founded in 1973 by M. Sait Ay with the aim of producing polyethylene pipe for agricultural irrigation, and it has become a family company with the title of Aysan Plastic Industry and Trade Inc. Since those days, by maintaining its steady growth, it has made a permanent impression successfully in the production of plastic pipes which are used in infrastructure sector.

Today, Aysan Plastic is a production facility of pipes, which has 70.000 tons installed capacity, which was built on an area that is 100.000 m² on Gaziantep Organized Industrial Zone. It is the biggest and the most modern industrial zone of Turkey. Aysan Plastic has proved itself with its quality particularly in the domestic market and also in the countries where it exports and it has become one of the most in-demand trademarks.

With the experience we have throughout the years, improving quality of our product and our system and also increasing range and capacity of our product are our priority targets. By following and performing the innovations of the world of 21st century, every time keeping up our Research and Development activities, providing better service to our customers with our professional persons are our invariable desires.





First Provision of Aysan Plastic Quality Policy is;
Not making any concessions on product quality regardless of condition of the market.

Aysan Plastic is an institution which has been given ISO 14001:2015, ISO 9001:2015 by international certification bodies operating quality system certification, and it has Turkish Standards Institutes quality certificates. It is controlled continuously for providing continuance of these certificates.

As soon as Aysan Plastic products arrive to the factory as raw materials, they are exposed to so many experiments and examinations until they are put on the market as products.

Our Quality Control Tests



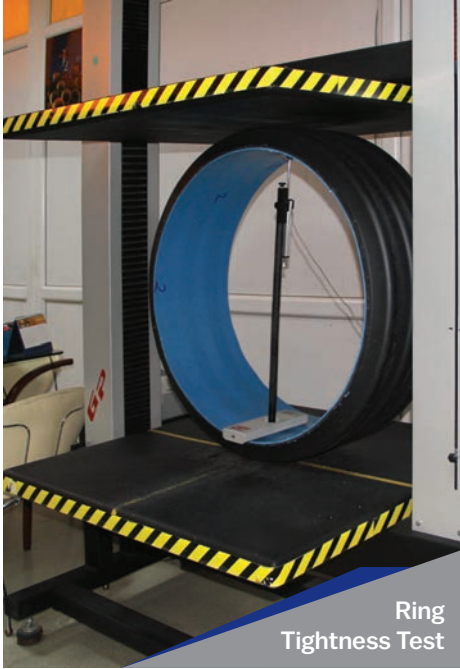
Eye Examination



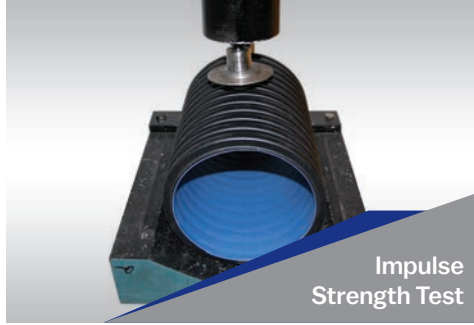
Deformation Test



Intensity Rating



Ring Tightness Test



Impulse Strength Test



OVEN Test



Size Examination



Ring Elasticity Test



Melt Mass Flow Test

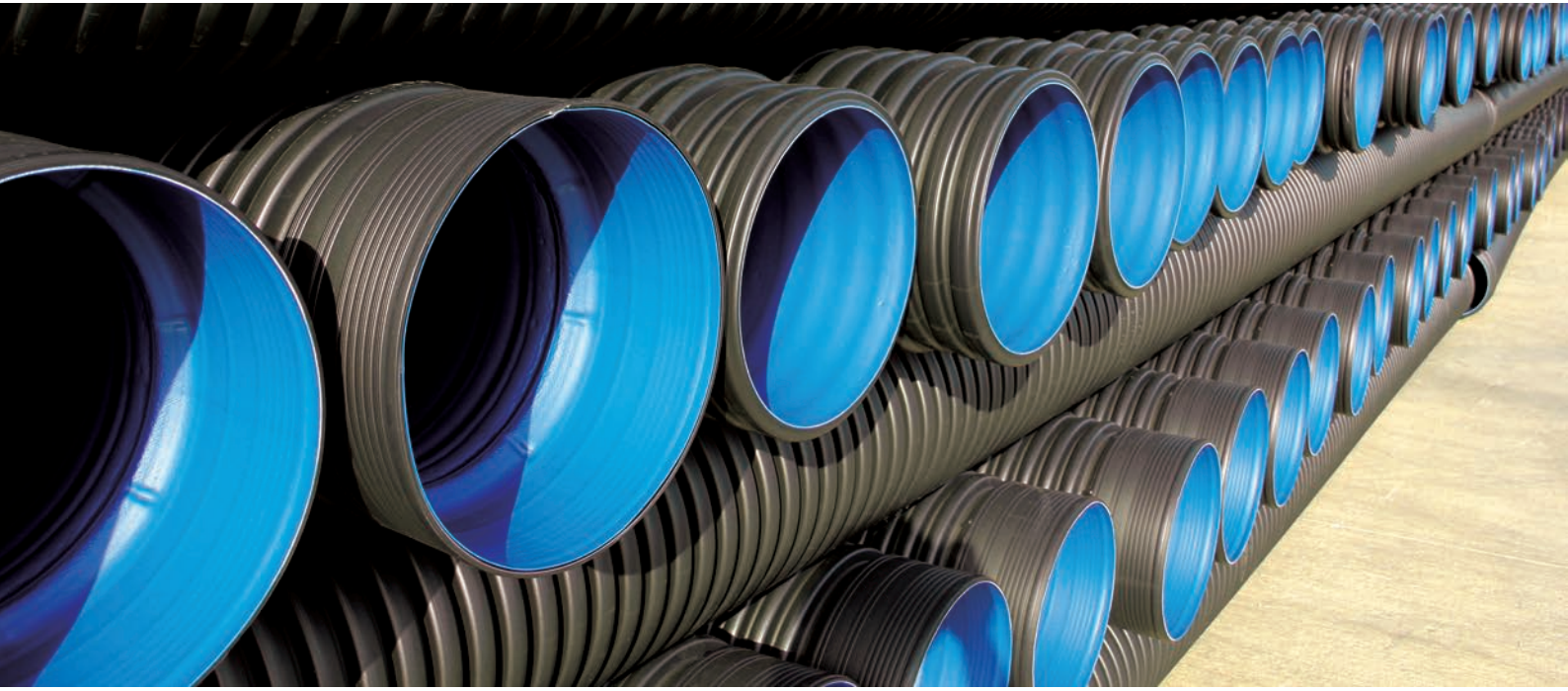







Elongation Test

Experienced technical persons in our quality control position make experiments and examinations on raw materials and on products gingerly according to their variety in our firm's advanced laboratory.







				
Light	Sturdy	Flexible	Environmentalist	Economic

Corrugated Pipes' Diameters Ø (Millimeter)

ø100 • ø150 • ø200 • ø300 • ø400 • ø500 • ø600 • ø800 • ø1000

Our firm produces corrugated pipes which have a great importance on reusability of sewerage and rainwater after they were send away and they were purified. They are more economical, more useful and more durable than competitor piping systems. They are produced as 6 meters length and they are produced from 100mm up to 1000mm diameters. They have two categories according to calculation of external loads. These are SN4 and SN8.

Aysan Corrugated Pipes are produced with prEN13476 European Standard by high technology machines.

The advantages of corrugated pipes, which are produced with the quality assurance of AYSAN PIPE, were listed in the below:

- ✓ All of the Aysan corrugated pipes are self-muffed and they help save time, labor and gasket, and at the same time they decrease the risk of leaking out % 50 in comparison with pipes which are connected with muffs.
- ✓ External layer of Aysan corrugated pipes are produced from black colored material which is resistant UV lights and impacts.
- ✓ Their resistance against to outer loads is very superior.
- ✓ Thanks to their low weight, they are easy to be transported and to be used.
- ✓ They are easy to be dispatched and to be stocked.
- ✓ Their installation, their repair and their maintenance is very simple.
- ✓ They are more economical than equivalent products.
- ✓ They help work without any wastage.
- ✓ They are resistant against chemicals.
- ✓ They are not affected by conditions of nature and atmosphere.
- ✓ Self-muffed pipes can be connected each other without need of any attachments.



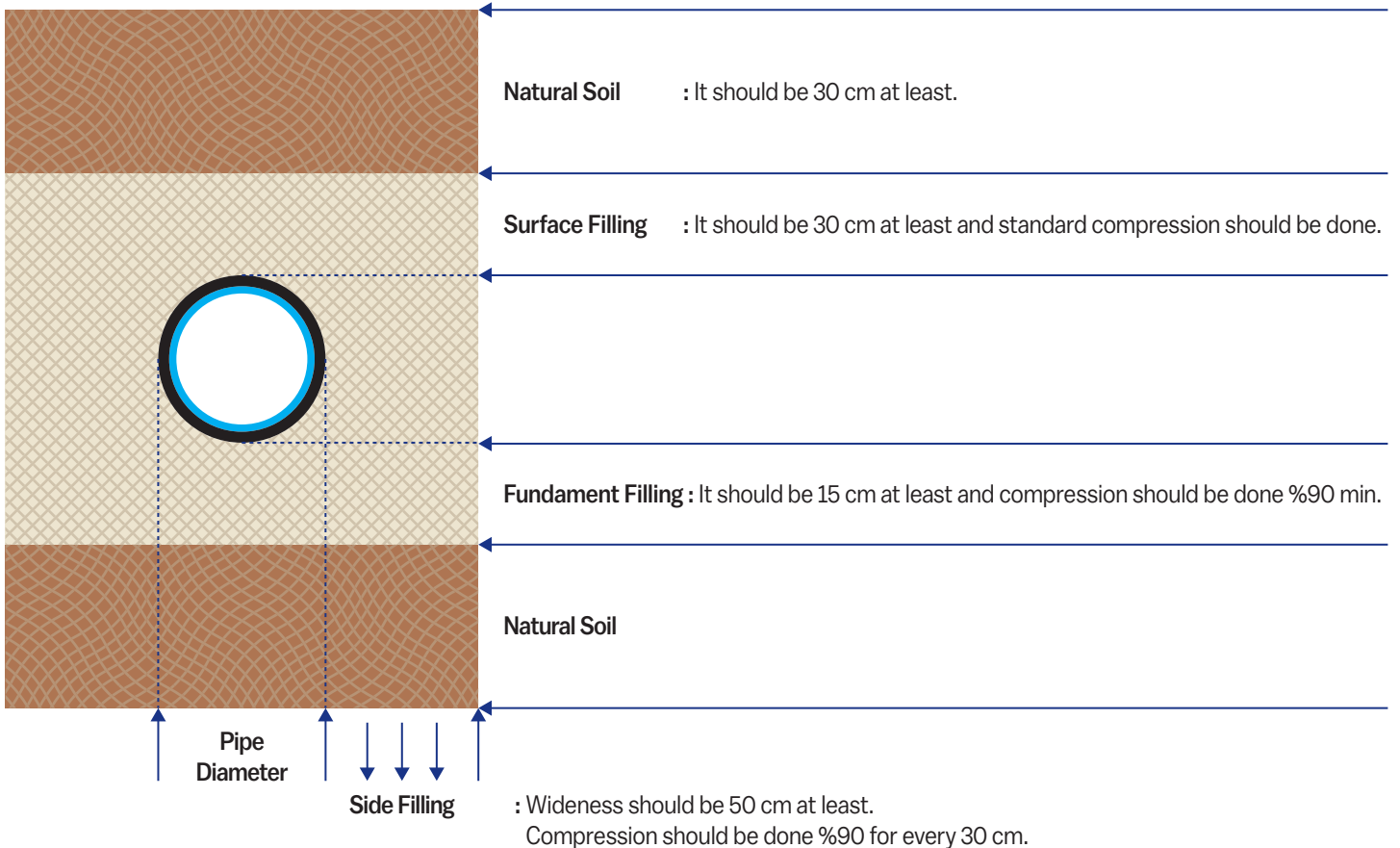
Lagging and Bedding of Corrugated Pipes

There is an unrestricted flow in the sewage system but they are exposed to outer loads because they are constructed under the ground. Therefore, there is a great importance of external loads such as traffic loads and ground loads. Corrugated Pipes are designed to be resistant against these loads.

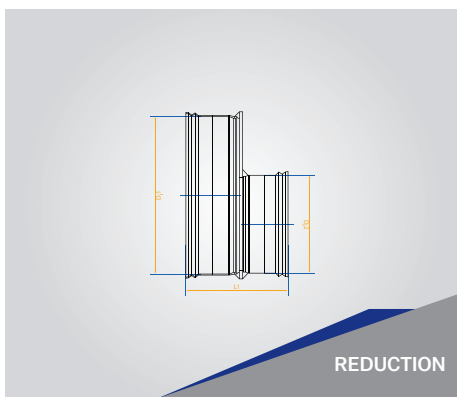
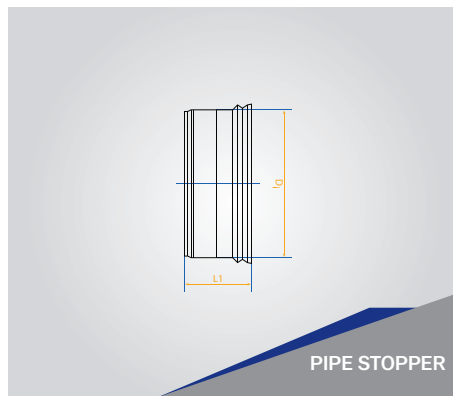
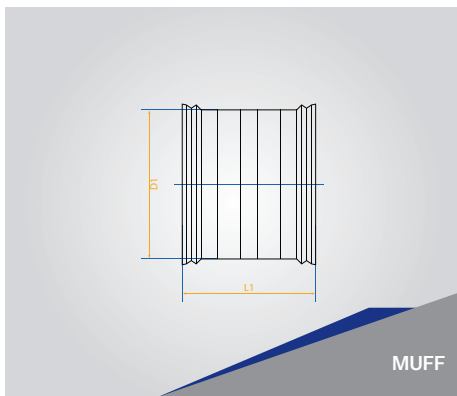
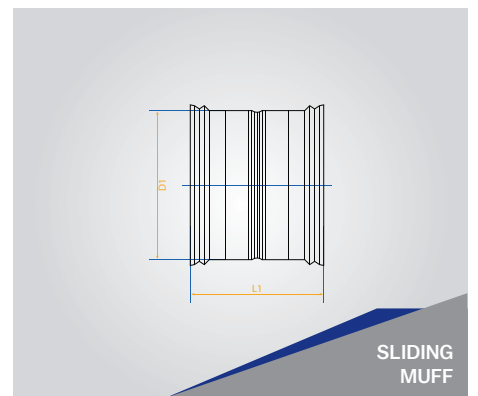
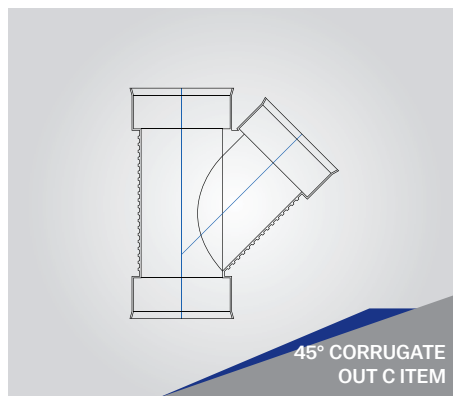
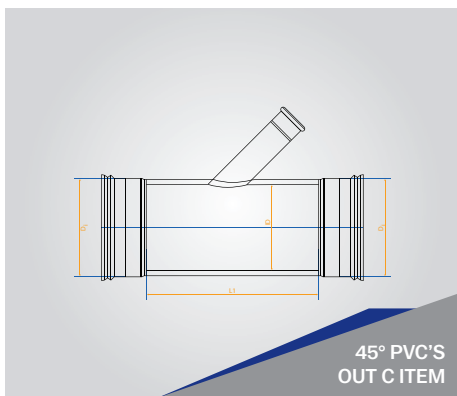
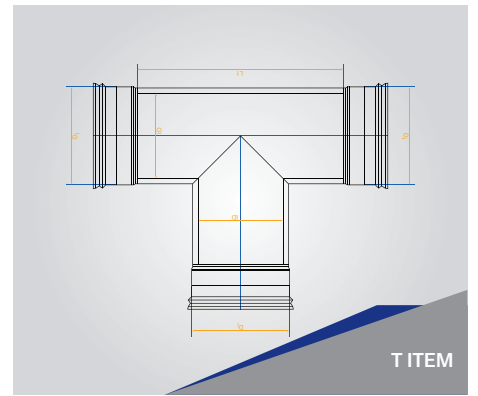
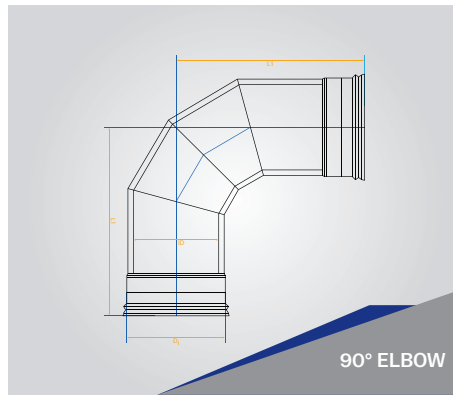
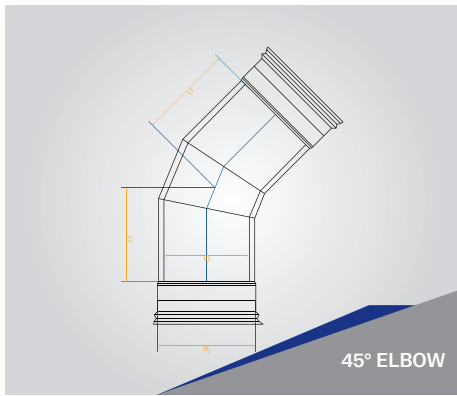
There are some lagging rules to follow for underground pipe applications in the sewage system of wastewater. In the underground applications, in order to serve of corrugated pipes and its attachments without any problems for many years, layers should be compressed one by one for not leaving soft soil around the pipes while the channels are being filled.

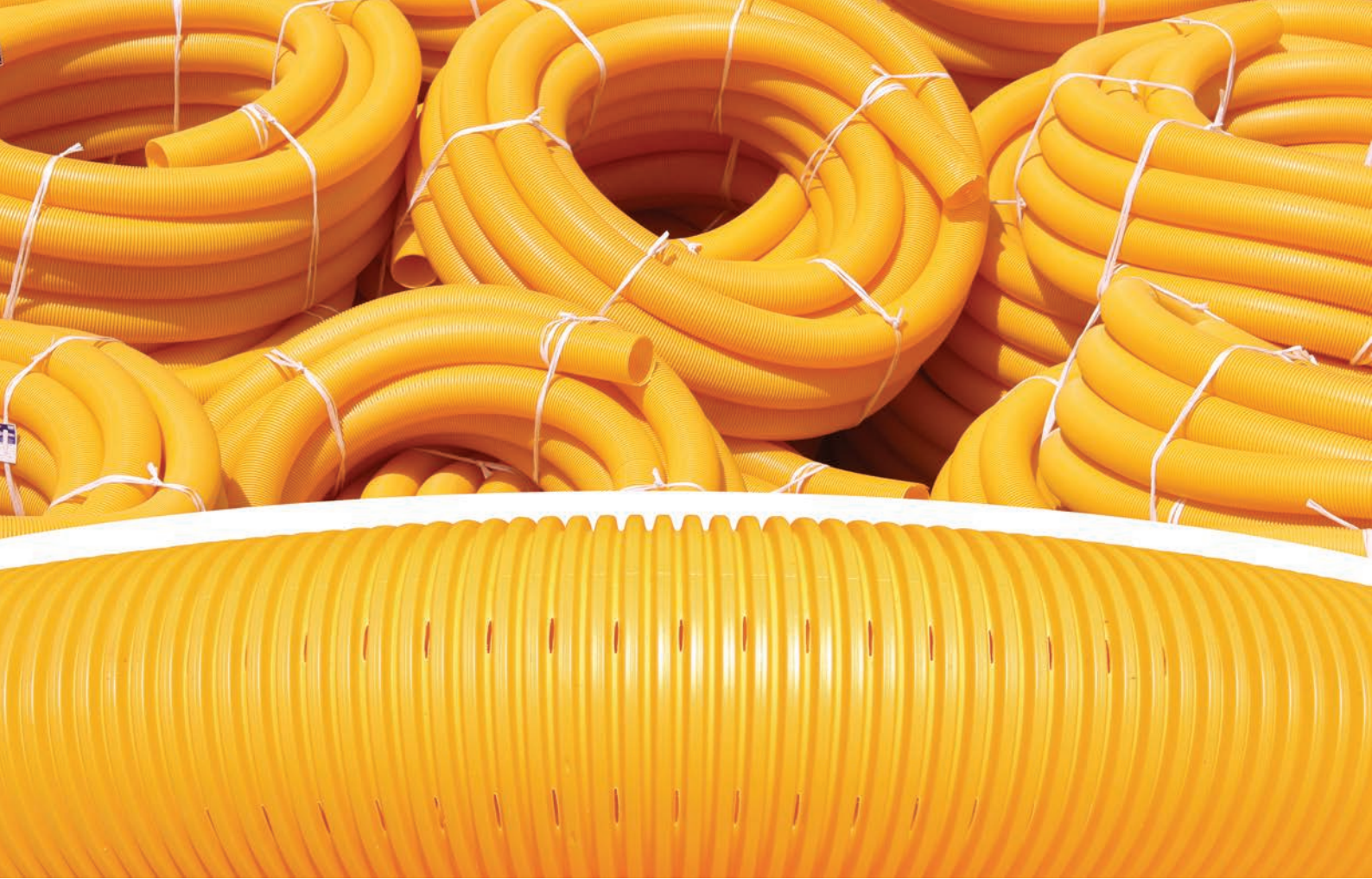
Especially filling under the pipes with padding is very important. If filling procedure is made properly to specification by compressing fully, the pipe does its duty smoothly because traffic and soil load will be transferred partly. If compression is not done properly due to the holes which will occur, the risk of collapse can be happened because the pipe cannot transfer the load to other forces which it is exposed.

Filling Material: A material-which is suitable for compression should be used that it consists of pieces which are 0 up to 20 mm diameters which contains %20 humidity at most.



Corrugated Pipe's Fittings





CIRCULAR DRAINAGE PIPES

Aysan Circular Drainage pipes are PVC-U product which is used for evacuation of puddle on the surface or detrimental water in the solid and they are spiral pipes which have circular sections.

Unwanted water is collected with porous drainage pipes and it is evacuated by imperforate pipes. Aysan Circular Drainage pipes are produced according to TS 9128 and DIN 1187. They are packaged as 50 meter's rolls or 100 meter's rolls according to their dimensions. Dimensions of rolls are made according to laying machines.

Areas of Usage

- ☑ Evacuation of detrimental water from farm lands.
- ☑ Evacuation of substratum water in all kind of construction ground.
- ☑ In the substructure of grass pitch.
- ☑ For improvement of muddy lands, swamps and etc.
- ☑ For drainage of highway pavement.

Advantages

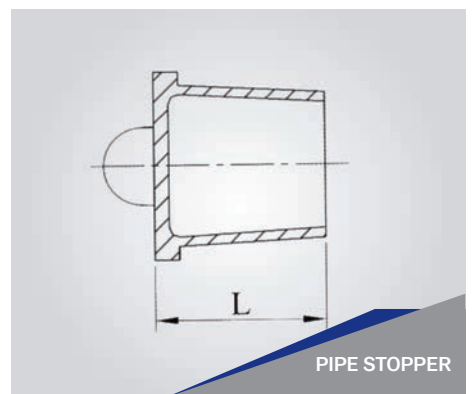
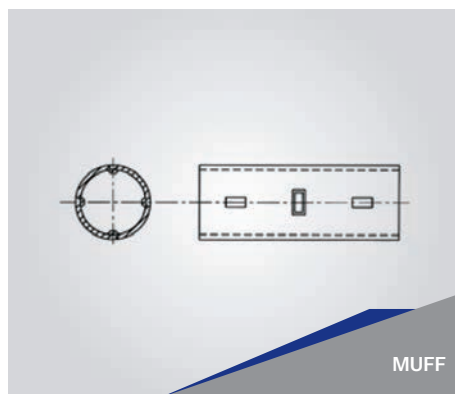
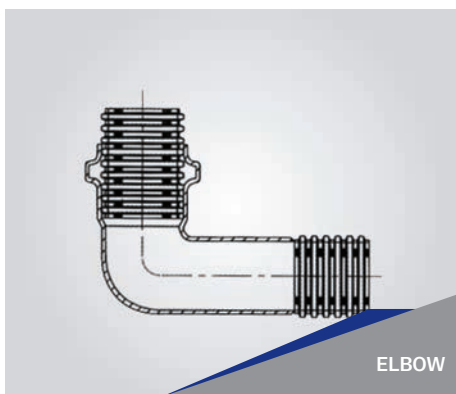
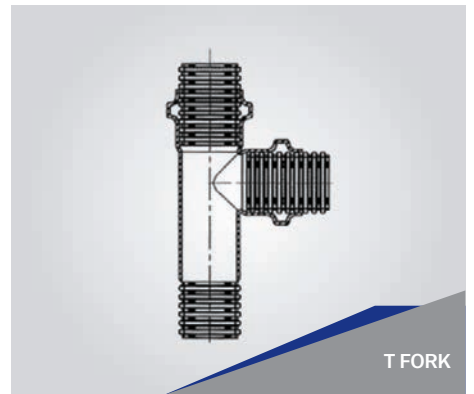
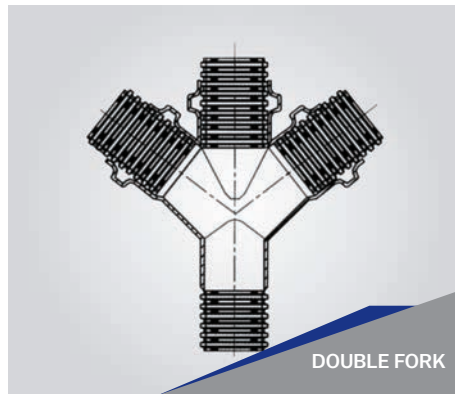
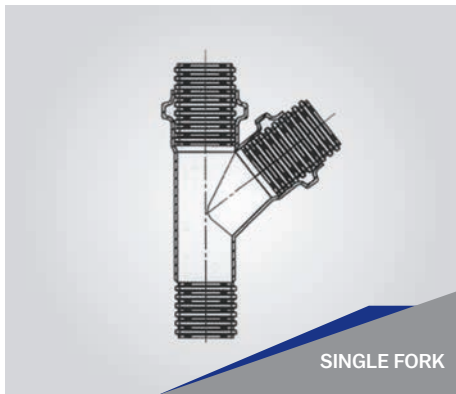
- ☑ Its service life is 50 years under the ground.
- ☑ Its shipping and its laying are very practical.
- ☑ It is resistant against heavy chemicals.
- ☑ There isn't any wastage during laying.
- ☑ There isn't any risk of occlusion.

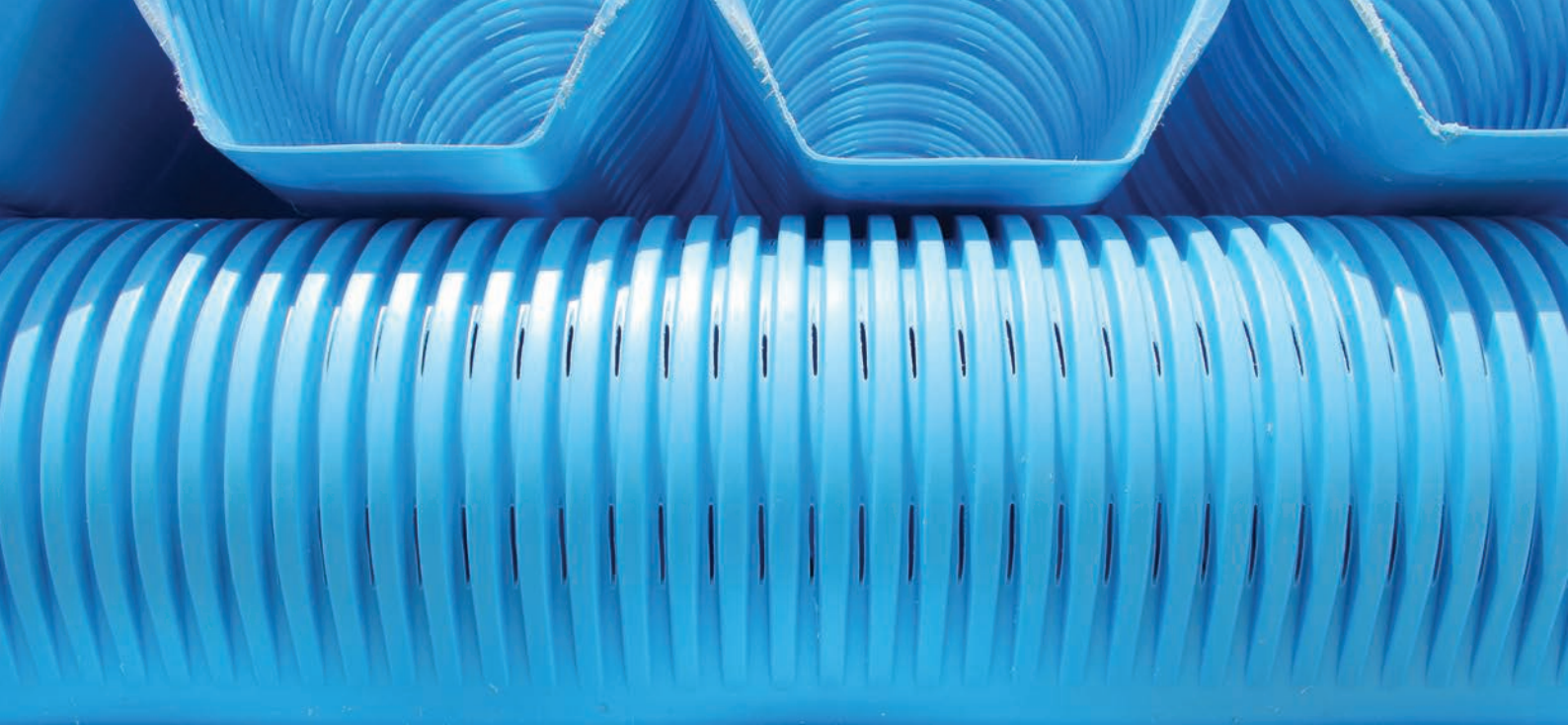
Outside Diameter	Inner Diameter	Roll Diameter	Meter-Hole Area Cm (Min)
80	72	600 millimeter	25
100	91.5	700 millimeter	25
125	115.5	750 millimeter	41
160	146	1000 millimeter	41
200	183	1000 millimeter	56



Aysan Circular Drainage Pipes are easily interlocked with the clip-on muff which is our patented product.

Aysan Circular Drainage Pipes' Fittings





PVC TUNNEL TYPE DRAINAGE PIPES

Areas of usage and features of our horseshoe sectioned PVC tunnel typed drainage pipes, which are produced flawlessly as 100, 150 and 200 mm diameters by fully automatic and high technology machines were listed in the below:

PVC Tunnel Typed Drainage Pipe Diameter

100 millimeter • 150 millimeter • 200 millimeter

Areas of Usage

- For drainage operations of industry, housing estate, school, hospital, hotel and etc.
- For drainage operations of airport, barrage and irrigation areas.
- For drainage operations of highways and railways.

Its Features

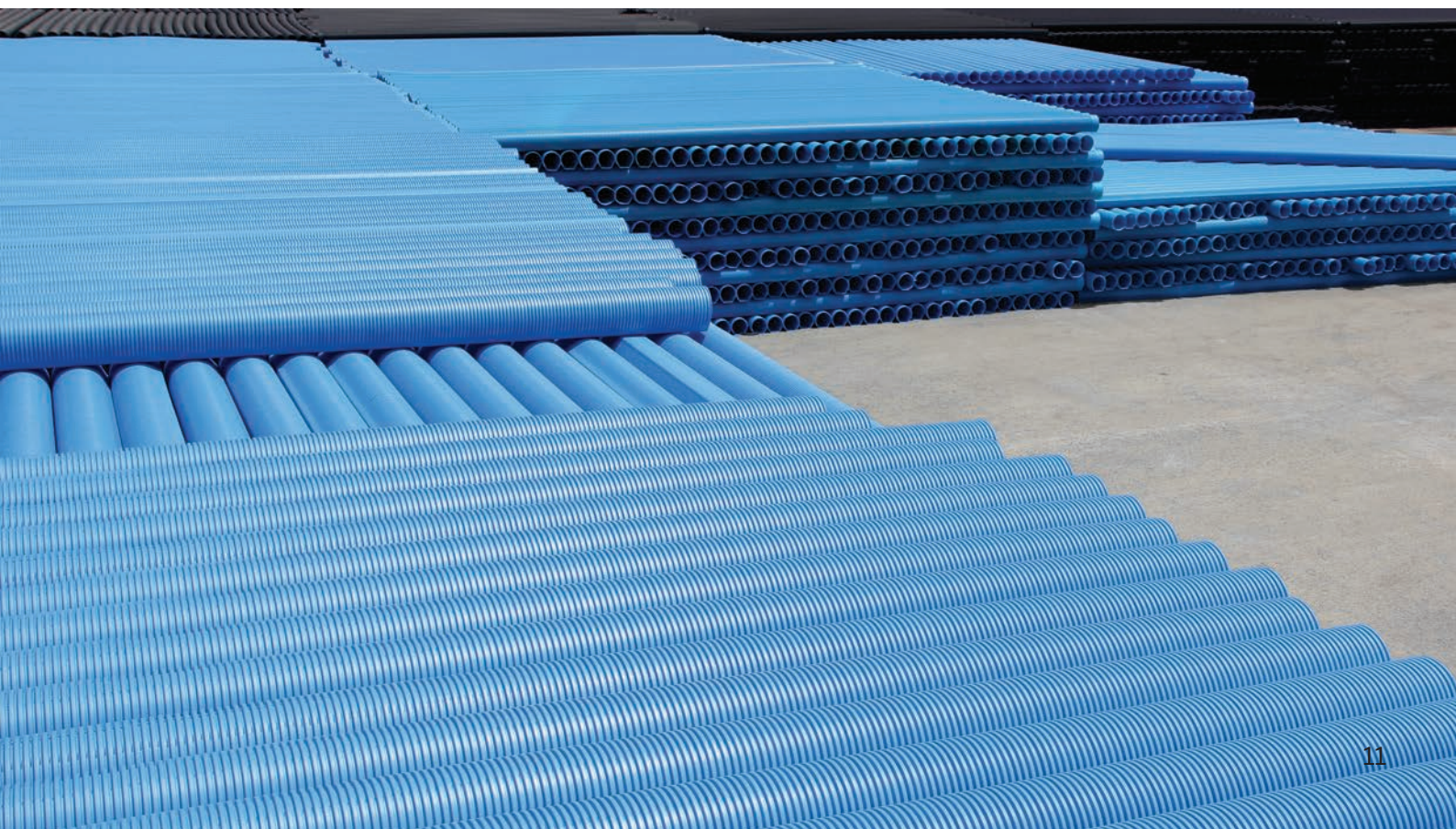
- The pipes are blue-colored, 6 meters length and self-muffed.
- It helps save materials and labors thanks to its low weight and easy installation.
- Evacuation is done easily without leaking out the water under the pipe because its base is straight and imperforate.
- They are resistant against chemicals, sunray and impact.
- It is piled easily and smoothly thanks to its shape and it helps save space.
- It can be produced as imperforate as well to be able use as collector in transition of roads.
- It is suitable for specification of T.R. Directorate General of Highways.

Advantages of PVC Tunnel Type Drainage Pipes

- ☑ It shows high resistance against acidic and alkaline liquids thanks to its PVC raw materials.
- ☑ It shows resistance against external forces because it has horseshoe shape and it has grooves vertically.
- ☑ It is easy to install because it is self-muffed and it has straight base.
- ☑ It is low weight so there is no need any machines to transport.
- ☑ Installation is done swiftly thanks to its self-muffed edge.
- ☑ The flow and flux of water increase because it has straight base.
- ☑ It can be produced as both impermeate and porous and as 100 mm, 150 mm, 200 mm diameters, and 6 meters length.
- ☑ It can be obtained high absorption flow and it helps prevent from returning back of water to the base thanks to its 220° hole angle.
- ☑ There is no need any professional, troublesome labor because its installation is very easy.
- ☑ It is resistant against sunlight and external factors.
- ☑ Imperforate pipes can be used as collector.

Standards about technicality of PVC Tunnel Type Drainage Pipes were shown in the below.

Standard of Pipe	: TS EN 13492
Chemical Resistance Standard	: ISO TR 10358
PVC Raw Material Standard	: DIN EN 1905





GEOTEXTILE - WRAPPED DRAINAGE PIPES

Thanks to Aysan Geotextile material which is wrapped to high quality AYSAN Drainage pipes, they are protected from impact, climate conditions, and stoppage. AYSAN GEOTEXTILE is connected by one hundred percent plastic fiber with needling technique and it is a material which is made ideal filter with heating process and without knitting.

AYSAN PLASTIC is the first and only one producer of geotextile wrapped drainage pipes in Turkey.

Our firm has patent of this product at the same time and it is protected with laws from imitating or copying by other firms.

**TURKISH REPUBLIC TURKISH PATENT INSTITUTION
CERTIFICATE NUMBER: TR201205821Y**

Geotextile - Wrapped Drainage Pipes' Diameters (Millimeter)

80 • 100 • 125 • 160 • 200

Areas of Usage

- ☑ Evacuation of detrimental water from farm lands.
- ☑ Evacuation of substratum water in all kind of construction ground.
- ☑ In the substructure of grass pitch.
- ☑ For improvement of muddy lands, swamps and etc.
- ☑ For drainage of highway pavement.

Advantages

- ☑ Its service life is 50 years under the ground.
- ☑ Its shipping and its laying are very practical.
- ☑ It is resistant against heavy chemicals.
- ☑ There isn't any wastage during lagging.
- ☑ It doesn't clog.



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AYSAN BORU

AYSAN PIPE

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