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YAZD BASPAR, **POLYTEC**,  
2015 BROCHURE



**YAZDDBASPAR** GROUP  
polytec system

**A LIFE TIME CHOICE ...**



# YAZDBASPAR GROUP

## polytec system

YAZD BASPAR provides a complete plumbing system for conveying domestic sewage, vent and rain water under POLYTEC brand name. POLYTEC system is made of foamed 3 layers pipes for the first time in Iran and YAZD BASPAR is the founder of this system in Iran.

### Advantages

- Impact Resistance**  
The pipes are highly resistant to impacts even at 0°C.
- Chemical Resistance**  
Provides wide range of resistance against chemicals
- Heat Resistance**  
Resistance against high temperature both for short term and continually up to 95°C
- Reduction of noise transfer**  
Noise transfer is reduced by the perforated middle layer.
- Easy Installation**  
Easy and quick installation by O-rings devised in sockets (push-fit system).
- Smooth inner layer**  
No sedimentation due to smooth inner layer. Pipes are in white color to make inspection easier.
- Flame retardant**  
Produced in accordance with DIN 4102 Standard
- Light Weight**  
Lower weight and enhanced physical and mechanical properties in comparison to similar pipes
- Easy Handling**
- Reference Standard**  
Produced in accordance with EN 1451 standard

Raw Material	Installation System	Chemical Resistance	Linear Expansion Coefficient
Polypropylene (PP)	O ring (push fit)	PH2-PH12	0.12mm/m x °C

Fire Classification	Resistance to Hot Water	Density g/cm
Fittings: DIN 4102 B1	Occasional: 95°C	0.91
Pipe: DIN 4102 B2	Continual: 95°C	0.90

Size (mm)	Thickness mm	Weight (Kg/m)
40	2.0	0.22
50	2.0	0.3
75	2.1	0.52
110	3.0	1.02
125	3.4	1.33
160	4.2	1.96



### 3 Layer POLYTEC Pipes

Technology used in manufacturing POLYTEC pipes is the result of YAZD BASPAR technical department's efforts and research during past years. The POLYTEC pipes are manufactured with three layers of Polypropylene (PP) with thickness more than similar products in the market. Extra thickness makes the pipes more impact resistant even at 0°C temperature. Each layer has unique features regarding different application conditions that provide a completely flexible and unique pipe.

#### POLYTEC Inner Layer

- PP – CV as raw material
- Heat resistance
- Chemical resistance
- Friction resistance
- Flame retardant
- Produced in white color for easier inspection

#### POLYTEC Outer Layer

- PP – C as raw material
- Impact resistance
- Resistance against change of the environment
- Flame retardant

#### POLYTEC Middle Layer

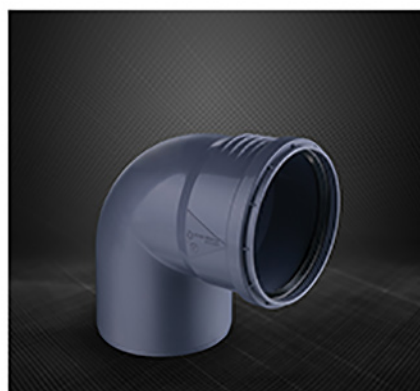
- PP – MD as raw material
- Pipe Extra strength
- Perforated layer
- Weight reduction in pipe
- Low noise transfer

### POLYTEC Fittings

POLYTEC fittings are designed by the technical department of YAZD BASPAR Company and are patented by this group.

The lines on fittings have following meanings:

- Downward direction of 4-lines indicates correct installation of sewage system.
- Upward direction of 4-lines indicates correct installation of vent system.
- Reliefs on the rims of sockets are for adjusting desired angle on basis of 30 degrees
- Line on sockets body and its rim make the socket and rim stronger.



### Installation

- Cut the desired length of the pipe vertically to axis
- After the cut, slant the pipe edge to 15 degrees
- Place a thin and homogeneous layer of POLYTEC lubricant or diluted soap water on the pipe's end point and push it into the socket. Pull out the pipe inside the fitting 10 cm out of the socket.

