

# High Density Polyethylene Cross-linked PE-Xa pipe - P180 - High thickness

## / Description

High Density Polyethylene Cross-linked PE-Xa pipe manufactured according to standards ISO 15875, AS 2492 and ASTM F876. With EVOH oxygen barrier according to DIN 4726 in three layers. Suitable for our axial press fittings.

**Certified with AENOR identification code 001/6649.**

**Colour RAL 7046.**



## / Advantages

- Suitable for potable water.
- Flexible and easy to install.
- Corrosion free.
- Resistant to chemicals.
- High resistance to low temperatures.
- Low weight.
- Abrasion resistant.
- Low roughness coefficient
- Excellent thermal memory.
- Low thermal conductivity.
- Deposit free.
- Very high resistance to oxygen diffusion

## / Applications

- Potable water.
- Sanitary hot water.
- Heating radiators.
- Underfloor heating and air conditioning.
- Industrial applications.
- Food industry.
- Chemical industry.
- Pharmaceutical industry.
- Petrochemical industry.

## / Products

Code	Size	Colour
88P180BO10094	16X2.2 100M	Silver RAL 7046
88P180GW10094	20X2.8 100M	Silver RAL 7046
88P180GX05094	25X3.5 50M	Silver RAL 7046
88P180GY05094	32X4.4 50M	Silver RAL 7046

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## / Physical characteristics

Characteristic	Unit	16x2,2	20x2,8	25x3,5	32x4,4
External diameter	mm	16	20	25	32
Pipe thickness	mm	2,2	2,8	3,5	4,4
Internal diameter	mm	11,6	14,4	18,0	23,2
Outer diameter tolerance	mm	+0.3			
Linear expansion	mm/m.K	0.020			

## / Thermal and mechanical characteristics

Characteristic	Unit	16x2,2	20x2,8	25x3,5	32x4,4
Thermal conductivity	W/m.K	0.400			
Roughness	mm	0.007			
Maximum temperature	°C	95			
Minimum temperature	°C	-40			
Maximum pressure 95°C	bar	10			
Oxygen diffusion	ml/l · g.	<0.3			
Min. cold bending radius	mm	80	100	125	160

## / Warnings

*Store the pipe in its original packaging avoiding exposure to solar radiation, which could compromise the quality of the pipe.  
Avoid contact / impact with blunt materials that could damage the pipe, both during transport and during construction.  
The minimum degree of curvature during installation must not be less than 5 times the external diameter of the pipe.  
Do not use chemical solvents or similar when installing the pipe.*