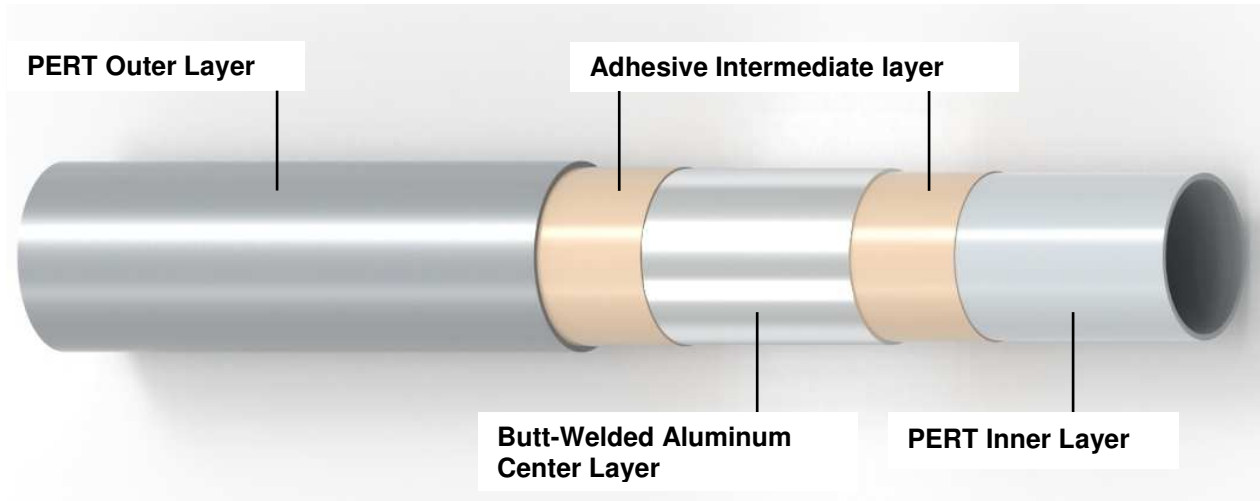


1. Product description

The FLEXIO multilayer pipe, in dimension 16 x 2 mm, is made up of an inner layer of PERT polyethylene, a central butt-welded aluminum layer, and an outer layer of PERT polyethylene and **is exclusively used for underfloor heating installations.**



Guaranteed quality

Pipe manufactured in accordance with the European standard UNE EN ISO 21003.

2. Properties of FLEXIO multilayer pipe

Multilayer pipe specifically designed for underfloor heating.

The outer layer is made of PERT polyethylene that provides the pipe with excellent flexibility, along with high durability and resistance. Its resistance to scratching allows you to work on the pipe once it has been installed, without the risk of damaging it.

Aluminum acts as a barrier to oxygen, improves the resistance to pressure and the ductility of the pipe, making the pipe maintain the given shape once it is bent and making tighter curves than possible with a totally plastic pipe.

The aluminum chosen for the central layer of the FLEXIO multilayer pipe, whose alloy is specially designed for this application, gives the pipe outstanding flexibility, which greatly facilitates its handling and the distribution of the circuits in underfloor heating installations.

Blansol multilayer pipes have their aluminum layer butt welded, which makes them more resistant to pressure and to the stresses that are generated when the pipes bend when bending.

The material chosen for the inner layer of the pipe, PERT polyethylene, gives the pipe excellent flexibility, high thermal conductivity and good behavior against stress cracking.

Recommendations

- Cut the pipe with a suitable pair of scissors making sure that the cut is clean and the section is straight.
- Check that the end of the pipe is free of burrs.

3. Characteristics

Characteristics	
Color	Silver grey
Nominal diameter (mm)	16
Internal diameter (mm)	12
Internal volume (l/m)	0,11
Min. radius of curvature without spring (mm)	80
Weight per meter (Kg/m)	0,1
Roughness E (mm)	0,0004
Linear expansion (mm/m K)	0,025
Thermal conductivity R (W/m K)	0,4
Density (g/cm ³)	1,47
Oxygen permeability (mg/l*d)	0
Maximum working temperature (°C)	70
Punctual maximum temperature (°C)	70
Maximum working pressure at 70°C (bar)	10

4. Advantages of FLEXIO multilayer pipe

- ✓ Special for intensive assemblies
- ✓ Great flexibility
- ✓ Resistant to damage by friction in the outer layer
- ✓ High stability against bending
- ✓ Excellent thermal conductivity
- ✓ 100% impermeable to oxygen
- ✓ Does not produce any type of galvanic corrosion

5. Dimensions and presentation

Color: Silver grey

Reference	Size (mm)	Coil length (mm)
MULPPTF162024	16x2	240
MULPPTF162050	16x2	500

