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AIS KLIMA EVOH KLETT PIPE

AIS KLIMA EVOH KLETT pipe is a temperature resistant polyethylene pipe. Modification of the molecular structure and modification of the base polyethylene gives the PERT material a high mechanical resistance and resistance to maximum temperatures of up to 90°C.

The 5-layer structure is manufactured by co-extrusion in a single process.

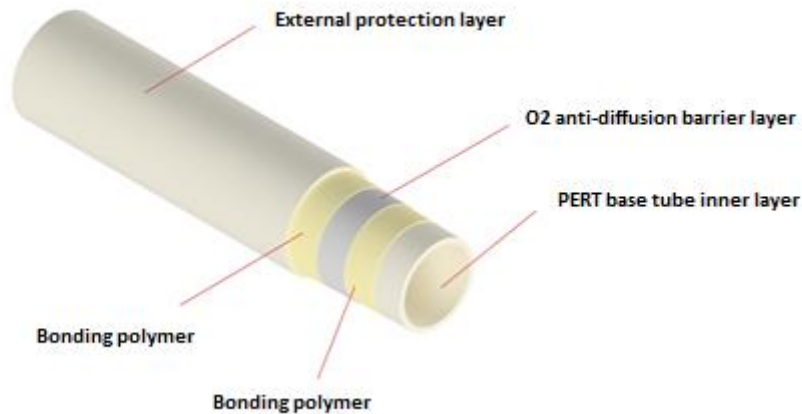
ADVANTAGES OF THE AIS KLIMA EVOH KLETT PIPES:

- ✓ High Flexibility: they can be manually in cold temperatures.
- ✓ High temperature and pressure resistance: 70°C – 6bar in continuous regime.
- ✓ Oxygen diffusion resistance, EVOH layer according to DIN 4726 standard.
- ✓ Excellent resistance to cracking or punctual loads.
- ✓ Suitable for installation in adverse conditions thanks to its 5-layer technology.
- ✓ Allows closed radius of curvature, ideal for underfloor heating installations.
- ✓ Low roughness- no fouling- higher flow – lower pressure drops.
- ✓ Low thermal conductivity – minimal heat loss.
- ✓ High resistance to corrosion and abrasión.
- ✓ Lower weight. Much lighter than metal pipes.
- ✓ Specially designed for underfloor heating applications.
- ✓ They do not transmit noise.



TECHNIC FEATURES:

Reference	117.16240/117.16500
Máx. Temperature de operación	90°C
Temperatura de operación en modo continuo	70°C
Conductividad térmica	0.4W/mK
Máx. Presión de operación	6bar
Rough	0.0004mm
Radio mínimo de curvatura	5xDN mm

TECNOLOGY PIPES EVOH AIS KLIMA KLETT:

5 layer pipe: PERT - adhesive - EVOH - adhesive - PERT.

It is made of PERT material (temperature resistant polyethylene) which gives it great flexibility and incorporates an intermediate layer of EVOH as an anti-diffusion oxygen barrier.

- The PERT base tube, fully optimized, for underflooring heating, is designed to withstand up to 70°C continuously and is more flexible than other materials, making it faster to install and with higher performance than those required in this type of installation.
- EVOH interlayer acts as an oxygen diffusion barrier.

The PERT outer tube provides mechanical protection against external agents and construction processes.

PRESENTATION FORMAT:

EVOH AIS KLIMA KLEET pipes can be supplied in 200 and 500 meter rolls.