TYPE EXAMINATION CERTIFICATE

Production:

Pipes made of Polyethylene with raised temperature resistance (PE-RT), highly flexible.
Pipes can be equipped with EVOH oxygen barrier layer diffusion tight according to DIN 4726/29.
The oxygen diffusion rate is considerably below limit defined by DIN 4726.
Permanent EVOH oxygen barrier layer by HP-process.

Pipes: Series - LTS OXYstop (Low Temperature Systems with oxygen barrier EVOH)
Diameter - 16 x 2,0 ; 17 x 2,0 ; 18 x 2,0 ; 20 x 2,0 ; 25 x 2.3

The trade mark: GALLAPLAST ®

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Technical specifications:

Characteristics			Test conditions
Max. operating temperature for application class 4:		+70 °C	ISO 22391
Max. operating temperature for application class 5:		+90 °C	ISO 22391
Max. operating pressure for:	LTS pipe 16x2.0	Class 4/8 bar, Class 5/8 bar	ISO 22391
	LTS pipe 17x2.0	Class 4/8 bar, Class 5/6 bar	ISO 22391
	LTS pipe 18x2.0	Class 4/8 bar, Class 5/6 bar	ISO 22391
	LTS pipe 20x2.0	Class 4/6 bar, Class 5/6 bar	ISO 22391
	LTS pipe 25x2.3	Class 4/6 bar, Class 5/4 bar	ISO 22391
Minimum bending radius:		5 x d	
Elastic Modulus:		645 Mpa	ISO 527-2
Best temperature for installation:		-5 °C to 30 °C	DIN 16892
Thermal Conductivity at 60°C:		0,4 W/mK	DIN 52612-1
Thermal Expansion Coefficient:		1,8 x 10^{-4} mm/m°C	DIN 53752 A
Diffusion tightness:		< 0,10 mg/(m^3xd) demanded value;	DIN 4726
(with EVOH oxygen barrier)		0,022 - 0,026 mg/(m^3xd). Value approved by continuous verification.	DIN 4726
Raw material:		PE-RT type II	

Fields of application:

Application class 4:	Underfloor heating, low temperature radiator connection	ISO 21003/ ISO 22391
Application class 5:	High temperature radiator connection	ISO 21003/ ISO 22391

Special Note: Production according to ISO 21003. Unstable to UV radiation. Protect PE-pipe against insulation during transport and storage.

GALLAPLAST OÜ REG.NR. 10811198 ESTONIA

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