

Certificate of compliance – Pre-insulated Pexflex

isoplus Fjernvarmeteknik A/S delivers pre-insulated PEX pipes in accordance with the following CEN norms:
Flexible pipe systems EN 15632-1 and EN 15632-2

Pipe system

Pre-insulated PEX pipes from isoplus are fixed systems. The pipes consist of a PEX carrier pipe and an LDPE jacket pipe, which via the flexible polyurethane insulation are moulded together into one fixed unit.

PEX pipe

The carrier pipe consists of cross-linked PEX of polyethylene.

Heating pipe, operating pressure max. 6 bar, PN 12.5 at 20°C. Oxygen diffusion barrier of EVAL pursuant to DIN 4726.

Operating temperature max. 95°C. Continuous operating temperature max. 80°C.



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QUALITY CONTROL DEPARTMENT



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Certificate of compliance - According to DIN EN 10204

PEXGOL pipes: PE-Xa Natural coated red/natural.

1. Dimensions:

Dimensions	SDR	PN
32x2.9	11	6
40x3.7		
50x4.6		
63x5.8		
75x6.8		
90x8.2		
110x10		

2. Marking

2.1. SDR 11 (PN6)

[M][#####][PEXGOL PE-Xa "Art-nr." 90][LOGO:C][(max) 95][LOGO:C][-6 bar MAT.5261Z DIN 16892/3 DIFFUSION COAT DIN 4726 SKZ A-154 NO.][****][469][dd.mm.yy]I~

3. Tests

Test Description	Standard	Results
Resistance to internal pressure 95° > 22 hr.	Iso 1167	comply
Resistance to internal pressure 95° > 165 hr.	Iso 1167	comply
Resistance to internal pressure 110° > 8760 hr.	Iso 1167	comply
cross linking degree – 70% - 90%	Iso 10147	comply
Heat Shrinkage (%) > 3.0	EN 743	comply

The above items were manufactured in accordance with our standard procedures under an ISO 9001 accredited quality assurance system. They have passed all relevant tests and to the best of our knowledge conform to the requirements of DIN 16892.

Rachel
Quality Coordinator
Golan Plastic Products LTD

Labelling of Pexflex pipe.

Jacket pipes are stamped with: Dimension, 6 bar/10 bar, allowable temperature, charge number so the pipe can be traced back to its production.

Insulation.

The insulation is polyurethane foam blown with cyclopentane. Relative density approx. 60kg/m³ with respect to DIN EN ISO 845. Compression strength >0.2MPa. Closed cells ≥88 %.

Jacket pipe.

The material is LDPE. The density is approx. 916 kg/m³. The melting index is 0.30g/10min. PE diffusion barrier between jacket pipe and foam