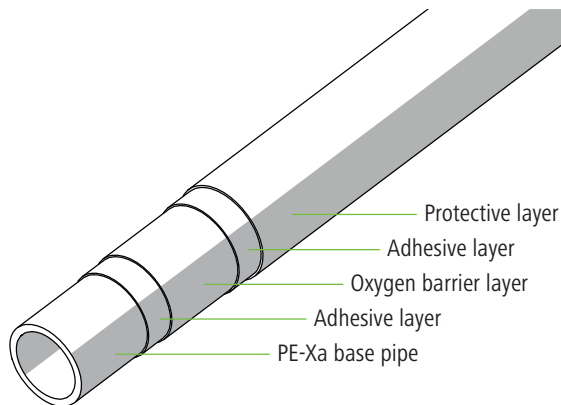


## x-net 5-layer PE-Xa pipe 14 x 2 and 16 x 2



### PE-Xa

- Peroxide cross-linked polyethylene pipe
- EVOH oxygen barrier layer



DIN-Certco registration  
3V413 MVR (P)

### Technical data

	Standard	Unit	14 x 2	16 x 2
<b>Product code</b>				
240 m roll			SFRPXA14024	SFRPXA16024
600 m roll			SFRPXA14060	SFRPXA16060
<b>General pipe data</b>				
Nominal outer diameter	DIN 16893	mm	14	16
Nominal wall thickness	DIN 16893	mm	2	2
Inner diameter		mm	10	12
Water content		l/m	0,079	0,113
Weight per metre of pipe without water		kg/m	0,080	0,093
Weight per metre of pipe with water		kg/m	0,159	0,206
<b>Material properties</b>				
Degree of cross-linking	DIN 16892	%	> 70	
Density	DIN 53479	g/cm <sup>3</sup>	0,93	
Elastic modulus at 20 °C	DIN 53457	N/mm <sup>2</sup>	550	
Tensile strength	DIN 53455	N/mm <sup>2</sup>	23	
Elongation at break	DIN 53455	%	400	
Thermal longitudinal expansion coefficient 20 °C	DIN 52328	mm/mK	0,14	
Pipe wall roughness	acc. to Prandtl-Colebrook	mm	0,007	
Thermal conductivity of pipe wall at 20 °C	DIN 52612	W/mK	0,35	
Oxygen-tightness at 40 °C	DIN 4726	mg/m <sup>2</sup> d	≤ 0,32	
Oxygen-tightness at 80 °C	DIN 4726	mg/m <sup>2</sup> d	≤ 3,60	

## x-net 5-layer PE-Xa pipe 14 x 2 and 16 x 2

### Technical data

	Standard	Unit	14 x 2	16 x 2
<b>Processing</b>				
Smallest bending radius 5 x d at 20 °C	DIN 4726	mm	70	80
Preparing to hold fittings	Cut pipe ends square and deburr with an appropriate tool			
<b>Application conditions / Limitations of use</b>				
Permissible media	Heating water acc. to VDI 2035 Water-glycol-mixture (max. 30 % glycol)			
Application class	DIN EN ISO 21003			5
Max. operating pressure	DIN EN ISO 21003	bar		6
Max. operating temperature	DIN EN ISO 21003	°C		90
Short time malfunction temperature	DIN EN ISO 21003	°C		100
<b>Attention:</b> do not operate both pressure and temperature at their maximum continuously at the same time!				
<b>Pipe bundle lengths / Packaging / Storage</b>				
Packed in special cartons		m	240	240
Packed in special cartons		m	600	600
Storage conditions acc. to DIN 4726: do not store outdoors, do not expose to direct sunlight				

Pressure loss diagram

Flow velocity [m/s]

