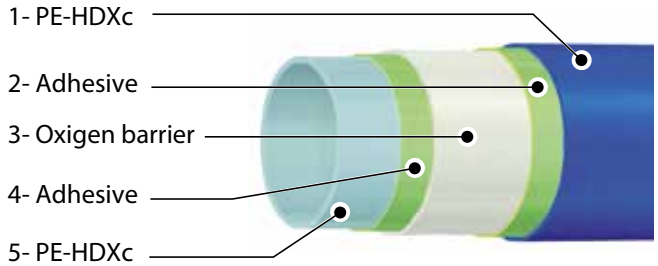
TECH PE-Xc PIPE INTERIOR LAYER Ø 20 mm

TECHNICAL SHEET

- Easy to adapt to demands on the construction site which results in quicker installation
- Resistant to temperature and pressure requirements in drinking water and heating applications
- Oxygen tight according to DIN 4726 in heating systems; prevents incrustations in the heating system
- Corrosion-free for reliable long service life
- Hygienic and material neutral
- Encrustation-free due to smooth surfaces; no cross-section constriction and constant flow speed
- High resistance of PE-HDXc pipes to mechanical impacts, i.e. during transport and on-site

Stratigraphy



Diameter (mm)	Roll (m)	Code
20	240	1012240
20	600	1012600

Application Area

Operating conditions according to: DIN EN ISO 15875-1	CLASS 4	Heating with radiant panels	T_{max} 70 °C	Pressure 8 bar
	CLASS 5	Radiators for high temperature	T_{max} 90 °C	Pressure 6 bar

d_n (mm)	e_n (mm)	S-value	SDR-value	Water content (l/m)
20	2	5	11	0,20

d_n = outer diameter, e_n = wall thickness,

S = nominal pipe serial number according to ISO 4065, SDR = standard dimension ratio, allocation of SDR values, according to DIN 16893 and/or DIN EN ISO15875-2

Feature		Value	Unit	Reference law
Degree of cross-linking	23°C	≥ 60	%	DIN 16892
Density	23°C	≈ 0,94	g/cm³	DIN 16892/DIN 53479
Flexural impact strength according to Charpy	23°C	no failure	kJ/m²	DIN EN ISO 179-1/2
Tensile strength	23°C	24 ÷ 30	N/mm²	DIN EN ISO 6259-1
Tenacity	23°C	24 ÷ 26	N/mm²	DIN EN ISO 6259-1
Elongation at break	23°C	400 ÷ 600	%	DIN EN ISO 6259-1
Elastic modulus (Emodule)	23°C	600 ÷ 800	N/mm²	DIN 16892/DIN EN ISO 128
Stress crack resistance		no failure		ASTM D 1693
Moisture absorption		<0,01	mg (4d)	DIN EN ISO 62
Coefficient of linear expansion	0°C – 70°C	$1,5 \cdot 10^{-4}$	1/K	DIN 16892 / DIN 53752
Thermal conductivity		≤ 0,41	W/(K · m)	DIN 16892 / DIN EN 12664
Smallest bend radius		≥ 5 · D	mm	DIN 4726
Oxygen tightness	40°C	≤ 0,32	mg/(m² · d)	DIN 4726

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COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001 =

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