

# DATA SHEET SYSTEM HEATING PIPES



www.schuetz.net

## System heating pipe 12 x 1.5 mm duo-flex PE-Xa (R 50®)

5-layer plastic safety heating pipe



### Standards:

DIN EN 15875

DIN EN 1264

Oxygen diffusion tight acc. to DIN 4726

DINCERTCO 3V296

### Monitoring:

1. In-house monitoring
2. Süddeutsches Kunststoffzentrum SKZ Würzburg (SKZ certification A 342)

### Configuration:

- Standardised base pipe made of cross-linked polyethylene (PE-Xa)
- Adhesion promoter
- EVOH oxygen diffusion barrier
- Adhesion promoter
- PE-HD

### Accessories:

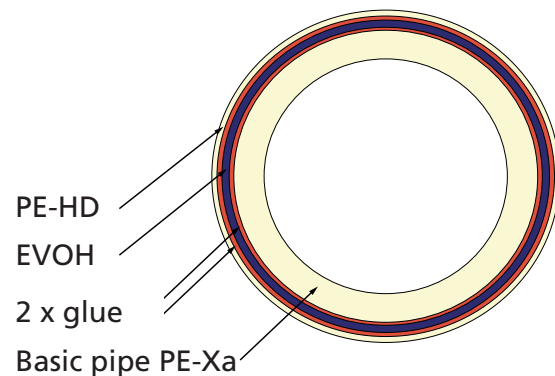
Safety pipe

Article no. 1163000

### TECHNICAL DATA

Max. operating temperature	95* °C
Max. operating pressure	6* bar
Bending radius	5 x DA
Coefficient of linear thermal expansion	$1.4 \times 10^{-4} \text{ K}^{-1}$
Colour	natural
Cross-linking degree	at least 70 %
Thermal conductivity	0.41 W/mK
Oxygen-tightness acc. to DIN 4726	$\leq 0.32 \text{ mg/m}^2 \times \text{d}$ at 40 °C
Water content	0.064 l/m

\*Creep rupture resistance according to creep rupture diagram



# DATA SHEET SYSTEM HEATING PIPES



www.schuetz.net

## Roll dimensions:

Dimension mm	Length in m	Di in mm	Da in mm	Width in mm	Weight in kg
12 x 1.5	120	440	780	80	6.4
12 x 1.5	240	440	780	150	13.0
12 x 1.5	600	440	780	370	32.8

## PU/pallet:

Article no.	Length in m	Packaging	PU/pallet
3028210	120	foil	2040 m 17 rolls
3028213	240	foil	4080 m 17 rolls
3028215	600	foil	2400 m 4 rolls

## Pipe marking:

- SCHÜTZ Energy Systems duo-flex, PE-Xa 12x1.5mm (DN 11.1x1.05mm), application class 4/6bar, size class C, oxygen-tight acc. to DIN 4726, production date + time + machine, linear meters, SKZ monitored A342, ATG 2778 acc. to DIN EN 15875, Made in Germany

## Production site:

- SCHÜTZ GmbH & Co.KGaA, Ransbach-Baumbach

# DATA SHEET SYSTEM HEATING PIPES



www.schuetz.net

## System heating pipe 14 x 2.0 mm duo-flex PE-Xa

5-layer plastic safety heating pipe



### Standards:

DIN EN 15875

DIN EN 1264

Oxygen diffusion tight acc. to DIN 4726

DINCERTCO 3V296

### Monitoring:

1. In-house monitoring
2. Süddeutsches Kunststoffzentrum SKZ Würzburg (SKZ certification A 342)

### Configuration:

- Standardised base pipe made of cross-linked polyethylene (PE-Xa)
- Adhesion promoter
- EVOH oxygen diffusion barrier
- Adhesion promoter
- PE-HD

### Accessories:

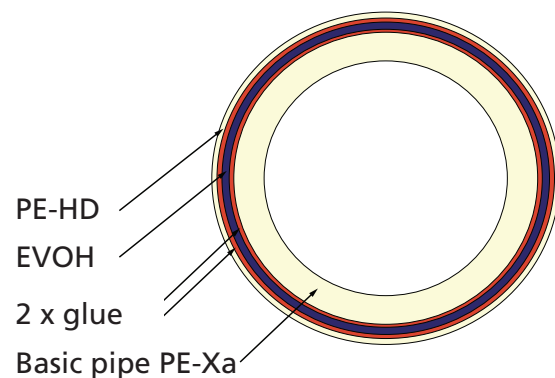
Safety pipe

Article no. 1163000

### TECHNICAL DATA

Max. operating temperature	95* °C
Max. operating pressure	6* bar
Bending radius	5 x DA
Coefficient of thermal expansion	$1.4 \times 10^{-4} \text{ K}^{-1}$
Colour	natural
Cross-linking degree	at least 70 %
Thermal conductivity	0.41 W/mK
Oxygen-tightness acc. to DIN 4726	$\leq 0.32 \text{ mg/m}^2 \times \text{d}$ at 40 °C
Water content	0.079 l/m

\*Creep rupture resistance according to creep rupture diagram



# DATA SHEET SYSTEM HEATING PIPES



www.schuetz.net

## Roll dimensions:

Dimension mm	Length in m	Di in mm	Da in mm	Width in mm	Weight in kg
14 x 2.0	120	440	780	80	8.6
14 x 2.0	240	440	780	150	17.4
14 x 2.0	600	440	780	370	41.1

## PU/pallet:

Article no.	Length in m	Packaging	PU/ pallet
3006737	120	foil	2040 m 17 rolls
3006738	240	foil	2400 m 10 rolls
3006739	600	foil	1800 m 3 rolls

## Pipe marking:

- SCHÜTZ Energy Systems duo-flex, PE-Xa 14x2mm (DN 12.4x1.2mm), application class 4/6bar, size class C, oxygen-tight acc. to DIN 4726, production date + time + machine, linear meters, SKZ monitored A342, DINCERTCO 3V296, ATG 2778 acc. to DIN EN 15875, Made in Germany

## Production site:

- SCHÜTZ GmbH & Co.KGaA, Ransbach-Baumbach

# DATA SHEET SYSTEM HEATING PIPES



www.schuetz.net

## System heating pipe 16 x 2.0 mm duo-flex PE-Xa

5-layer plastic safety heating pipe



### Standards:

DIN EN 15875

DIN EN 1264

Oxygen diffusion tight acc. to DIN 4726

DINCERTCO 3V296

### Monitoring:

1. In-house monitoring
2. Süddeutsches Kunststoffzentrum SKZ  
Würzburg (SKZ certification A 342)

### Configuration:

- Standardised base pipe made of crosslinked polyethylene (PE-Xa)
- Adhesion promoter
- EVOH oxygen diffusion barrier
- Adhesion promoter
- PE-HD

### Accessories:

Safety pipe

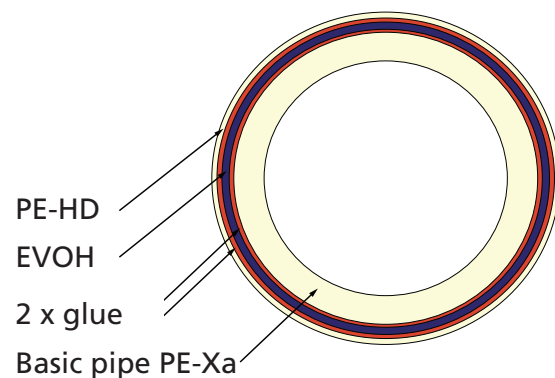
Article no. 1163000

Status 01/21\_Subject to technical modifications!

### TECHNICAL DATA

Max. operating temperature	95 °C
Max. operating pressure	6 bar
Bending radius	5 x d
Coefficient of thermal expansion	$1.4 \times 10^{-4} \text{ K}^{-1}$
Colour	natural
Cross-linking degree	at least 70 %
Thermal conductivity	0.41 W/mK
Oxygen-tightness acc. to DIN 4726	$\leq 0.32 \text{ mg/m}^2 \times \text{d}$ at 40 °C
Water content	0.113 l/m

\*Creep rupture resistance according to creep rupture diagram



# DATA SHEET SYSTEM HEATING PIPES



www.schuetz.net

## Roll dimensions:

Dimension mm	Length in m	Di in mm	Da in mm	Width in mm	Weight in kg
16 x 2.0	120	440	780	110	10.9
16 x 2.0	240	440	780	200	21.0
16 x 2.0	600	440	780	480	51.9

## PU/pallet:

Article no.	Length in m	Packaging	PU/pallet
3002647	120	foil	2040 m 17 rolls
3002652	240	foil	2400 m 10 rolls
3002654	600	foil	1800 m 3 rolls

## Pipe marking:

- SCHÜTZ Energy Systems duo-flex, PE-Xa 16x2mm (DN 14.8x1.4mm), application class 4/6bar, size class C, oxygen-tight acc. to DIN 4726, production date + time + machine, linear meters, SKZ monitored A342, DINCERTCO 3V296, ATG 2778, acc. to DIN EN 15875, Made in Germany

## Production site:

- SCHÜTZ GmbH & Co.KGaA, Ransbach-Baumbach

# DATA SHEET SYSTEM HEATING PIPES



www.schuetz.net

## System heating pipe 17 x 2,0 mm duo-flex PE-Xa

5-layer plastic safety heating pipe



### Standards:

DIN EN 15875

DIN EN 1264

Oxygen diffusion tight acc. to DIN 4726

DINCERTCO 3V296

### Monitoring:

1. in-house monitoring
2. Süddeutsches Kunststoffzentrum SKZ Würzburg (SKZ-Zertifizierung A 342)

### Configuration:

- Standardised base pipe made of crosslinked polyethylene (PE-Xa)
- Adhesion promoter
- EVOH oxygen diffusion barrier
- Adhesion promoter
- PE-HD

### Accessories:

Cover pipe

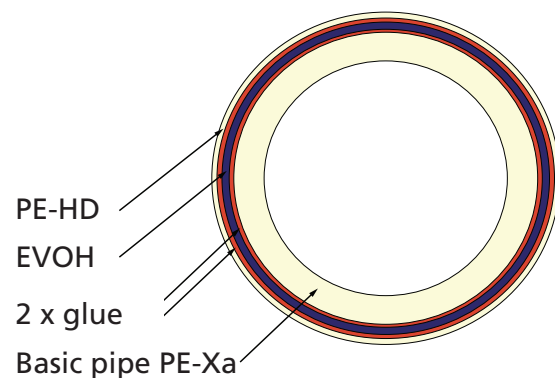
Article no. 1163000

Status 01/21\_subject to technical modifications!

### TECHNICAL DATA

Max. operating temperature	95* °C
Max. operating pressure	6* bar
Bending radius	5 x DA
Coefficient of linear thermal expansion	$1.4 \times 10^{-4} \text{ K}^{-1}$
Colour	nature
Cross-linking degree	at least 70 %
Heat conductivity	0.41 W/mK
Oxygen-tightness acc. to DIN 4726	$\leq 0.32 \text{ mg/m}^2 \times \text{d}$ at 40 °C
Watercontent	0.133 l/m

\*Creep rupture resistance according to creep rupture diagram



# DATA SHEET SYSTEM HEATING PIPES



[www.schuetz.net](http://www.schuetz.net)

## Role dimensions:

Dimension mm	Length in m	Di in mm	Da in mm	Width in mm	Weight in kg
17 x 2.0	120	440	780	110	11.6
17 x 2.0	240	440	780	210	22.9
17 x 2.0	400	440	780	350	37.88
17 x 2.0	600	440	780	500	56.0

## PU/pallet:

Article no.	Length in m	Packaging	PU/pallet
3002655	120	foil	2040 m 17 roles
3002656	240	foil	2400 m 10 roles
3076841	400	foil	2400 m 6 roles
3002660	600	foil	1800 m 3 roles

## Pipe marking:

- SCHÜTZ Energy Systems duo-flex, PE-Xa 17x2mm (DN 15.9x1.45mm), application class 4/6bar, size class C, oxygen-tight acc. to DIN 4726, production date + time + machine, linear meters, SKZ monitored A342, DINCERTCO 3V296, ATG 2778, acc. to DIN EN 15875, Made in Germany

## Production plant:

- SCHÜTZ GmbH & Co. KGaA, Ransbach-Baumbach



# DATA SHEET SYSTEM HEATING PIPES



www.schuetz.net

## System heating pipe 20 x 2.0 mm duo-flex PE-Xa

5-layer plastic safety heating pipe



### Standards:

DIN EN 15875

DIN EN 1264

Oxygen diffusion tight acc. to DIN 4726

DINCERTCO 3V296

### Monitoring:

1. In-house monitoring
2. Süddeutsches Kunststoffzentrum SKZ  
Würzburg (SKZ certification A 342)

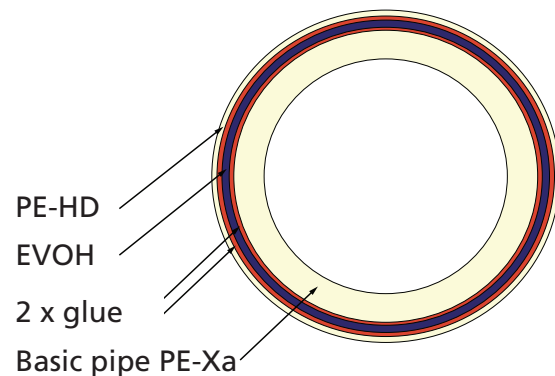
### Configuration:

- Standardised base pipe made of cross-linked polyethylene (PE-Xa)
- Adhesion promoter
- EVOH oxygen diffusion barrier
- Adhesion promoter
- PE-HD

### TECHNICAL DATA

Max. operating temperature	95* °C
Max. operating pressure	6* bar
Bending radius	5 x DA
Coefficient of thermal expansion	$1.4 \times 10^{-4} \text{ K}^{-1}$
Colour	natural
Cross-linking degree	at least 70 %
Thermal conductivity	0.41 W/mK
Oxygen-tightness acc. to DIN 4726	$\leq 0.32 \text{ mg/m}^2 \times \text{d}$ at 40 °C
Water content	0.201 l/m

\*Creep rupture resistance according to creep rupture diagram



# DATA SHEET SYSTEM HEATING PIPES



[www.schuetz.net](http://www.schuetz.net)

## Roll dimensions:

Dimension mm	Length in m	Di in mm	Da in mm	Width in mm	Weight in kg
20 x 2.0	120	440	780	160	15.0
20 x 2.0	600	440	900	500	71.7

## PU/pallet:

Article no.	Length in m	Packaging	PU/pallet
3006778	120	foil	1440 m 12 rolls
3006780	600	foil	1800 m 3 rolls

## Pipe marking:

- SCHÜTZ Energy Systems duo-flex, PE-Xa 20x2mm (DN 19,5x1,75mm), application class 4/6bar, size class C, oxygen-tight acc. to DIN 4726, production date + time + machine, linear meters, SKZ monitored A342, DINCERTCO 3V296, ATG 2778, acc. to DIN EN 15875, Made in Germany

## Production site:

- SCHÜTZ GmbH & Co.KGaA, Ransbach-Baumbach

# DATA SHEET SYSTEM HEATING PIPES



www.schuetz.net

## System heating pipe 25 x 2.3 mm duo-flex PE-Xa

5-layer plastic safety heating pipe



### Standards:

DIN EN 15875

DIN EN 1264

Oxygen diffusion tight acc. to DIN 4726

DINCERTCO 3V296

### Monitoring:

1. In-house monitoring
2. Süddeutsches Kunststoffzentrum SKZ  
Würzburg (SKZ certification A 342)

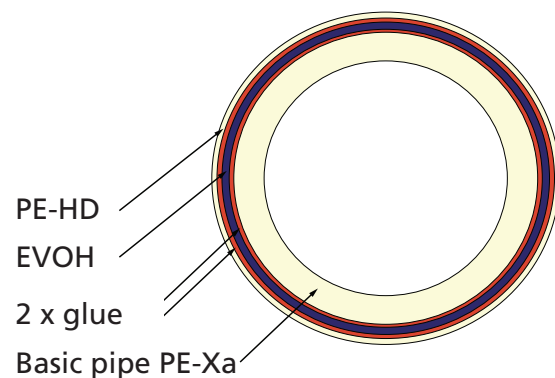
### Configuration:

- Standardised base pipe made of cross-linked polyethylene (PE-Xa)
- Adhesion promoter
- EVOH oxygen diffusion barrier
- Adhesion promoter
- PE-HD

### TECHNICAL DATA

Max. operating temperature	95* °C
Max. operating pressure	6* bar
Bending radius	5 x DA
Coefficient of thermal expansion	$1.4 \times 10^{-4} \text{ K}^{-1}$
Colour	natural
Cross-linking degree	at least 70 %
Thermal conductivity	0.41 W/mK
Oxygen-tightness acc. to DIN 4726	$\leq 0.32 \text{ mg/m}^2 \times \text{d}$ at 40 °C
Water content	0.327 l/m

\*Creep rupture resistance according to creep rupture diagram



# DATA SHEET SYSTEM HEATING PIPES



[www.schuetz.net](http://www.schuetz.net)

## Roll dimensions:

Dimension mm	Length in m	Di in mm	Da in mm	Width in mm	Weight in kg
25 x 2.3	200	440	795	370	32.3
25 x 2.3	300	440	810	510	51.2

## PU/pallet:

Article no.	Length in m	Packaging	PU/pallet
3050211	200	foil	800 m 4 rolls
3084825	300	foil	900 m 3 rolls

## Pipe marking:

- SCHÜTZ Energy Systems duo-flex, PE-Xa 25x2,3mm (DN 24,2x1,9mm), application class 4/6bar, size class A, oxygen-tight acc. to DIN 4726, production date + time + machine, linear meters, SKZ monitored A342, gem. DIN EN 15875, Made in Germany

## Production site:

- SCHÜTZ GmbH & Co.KGaA, Ransbach-Baumbach