

**E-FLOW High-pressure cleaning hose in PE/ PUR**  
**Size 9.5 ID x 14.6 AD**

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**1. Scope**

This Technical Delivery Specification is essence of contract and applies the high-pressure cleaning hose, size 9.5 x 14.6 d.

**2. Designation**

High pressure cleaning hose DN 12 in PE / PUR.

**3. Material / material properties**

Inner hose: PE (polyethylene)

Sheathing: PUR (polyurethane, with microbe stabilisation, perforated)

		<b>Internal hose</b>	<b>Sheathing</b>
Tear strength	DIN 53455	> 18 N/mm <sup>2</sup>	> 18 N/mm <sup>2</sup>
Elongation at break	DIN 53455	> 280 %	> 380 %
Hardness, Shore A	DIN 53505	A 95 ± 3	A 90 ± 3

Operating temperature range: -20°C to +60°C

**4. Pressure reinforcement / burst pressure / length change**

The internal hose is braided with a technically correct diagonal reinforcement made of high-strength polyester.

Burst pressure at 23°C: > 360 bar / > 36 MPa

admissible length change at 100 bar: ± 3,0 %

(Test performance according to DIN EN ISO 1402)

**5. Dimensions / tolerances / bending radius (mm)**

Nominalvalue: 9.5 ID x 14.6 AD (internal Ø x external Ø)

Tolerance range:

Internal Ø: 9.30 – 9.70

External Ø: 14.25 – 14.85

Wall thickness eccentricity: 0.40 max.

Min. admissible bending radius: ≥100 mm at 20°C

**6. Colour**

Inner hose: white

Textile fabric: raw white

Reinforcement: black  
Printing: white

Deviating colours on request.

#### **7. Overall design and hose printing**

Deviating design following agreement.

#### **8. Make-up / packaging**

900 m on one-way timber coil

Disk Ø:	1000 mm
Core Ø:	470 mm
Coiling width:	400 mm
Spool overall width:	420 mm
Seat bore:	82 mm

Any partial lengths > 30 m are connected with adhesive strip in a clearly visible way (per partial length separate label with indication of length).  
Several timber spools on pallet, shrink foil.

Other make-up/packaging types upon request.

#### **9. Special features**

The textile fabric is chemically bonded to the inner hose, the smooth sheathing is perforated.

#### **10. RoHS-REACH conformity**

The high pressure hose meets the requirements of guideline RoHS 2011/65/EU. The high pressure hose does not contain any SVHC according to attachment XIV of the REACH regulation (EG) no.1907/2006 and ECHA candidate list.

#### **11. Production control**

Production of the high pressure hose assembly is subject to constant visual, dimensional and functional control. In order to ensure the desired pressure readings, as agreed, one hose sample is taken once every approx. 3.000 m production quantity to determine the bursting pressure.

Material will only be supplied, if all test criteria have been met.

The quality control does not include any inspection of the quality of the hose fittings and the hose assembly. This quality inspection will be the sole responsibility of the manufacturer of the assembly (hose equipped with fittings).