

# Technical data sheet



## High pressure hose 100-012

### 1. Description

high pressure hose DN 6  
order no. 100-012.

### 2. Material / Performance

inner tube: Polyamide 6 Core  
casing: High Tensile Polyester Braid with Polyurethane Cover

		inner tube	casing
tear strength	DIN EN ISO 527	> 30 N/mm <sup>2</sup>	> 18 N/mm <sup>2</sup>
elongation at break	DIN EN ISO 527	> 180%	> 380%
hardness, shore	DIN EN ISO 868	D 60 ± 3	A 89 ± 3

temperature using limit: - 40° till + 80°C  
for mediums to be pumped with "grease with corrosion protection additives": max. 70°C  
halogen-free in accordance with DIN VDE 0472-815

### 3. Pressure Reinforcement / Pressure Strength / Bending Radius

bursting pressure (EN ISO 1402, pressurisation: 60 s)			allowed bending radius at 20°C	operating pressure reference*		
20°C	(bar)	60°C		statistically	(bar)	dynamically
> 840		> 460	> 45 mm	Max. 280		Max. 210

Technically correct diagonal reinforcement of polyester high-strength chemically bonded to the inner tube.

\*) standard security: static pressure load: 3, dynamic pressure load: 4

### 4. Sizes and Tolerances

nominal size : 6,35 x 11,3 d (internal x external) mm  
inner diameter: 6,20 – 6,50 mm  
external diameter: 11,10 – 11,50 mm  
wall thickness eccentricity: max. 0,35 mm

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## 5. Colour

inner tube: nature  
casing: black  
reinforcement: white  
printing: white

## 6. Design / Packaging / Labeling

- 6.1 100 meter coil  
external diameter ca. 550 mm, core diameter approx. 300 mm,  
bulk in box or pallet
- 6.2 Short lengths are marked separately.  
5% of short length per batch are permitted.

## 7. Approval

As the responsible supplier, FRITSCH reserves the right to carry out modifications or deviations of the products under contract, for purposes of improvement and further development; whereas there will be no modifications of the specifications agreed herein.

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