

Sketch:



Possible Dimensions:

Inside diameter in mm:	Wall thickness in mm:	Outside diameter in mm:	Length in m:	Weight in g/m (approx.):	Working pressure in bar (at 20°C):
6	3	12	25 / 50	105	25
9	3	15	25 / 50	139	16
13	3,5	20	25 / 50	223	10

Product specification:

The pressure resistant, robust and flexible hose for compressed air applications.

Examples for application:

- pipes for compressed air in machines and constructions
- feeding of compressed air into pneumatic tools for professional operation purposes

Medium adequacy:

For all applications with compressed air.

Product advantages:

- very abrasion resistant
- extremely flexible
- produced with tear-proof yarn
- very good pressure-resistance
- top grade PVC-quality
- conspicuously colored
- good handling
- TÜV Nord – production control
- bursting pressure matches 4 times working pressure

Product:

compressed air hose, made of Soft-PVC with textile reinforcement;
type Aero ST

Version:

crystal-clear, blue-transparent, red-transparent
(other colors possible);
also possible with armatures on customer's request

Material:

hose material Soft-PVC;
textile reinforcement made of tear-proof polyester yarns

Material composition Soft-PVC:

PVC-P, plasticizer, additives;
material is silicon-free and free from toxic heavy metals;
non-aging

Chemical resistance:

See separate resistance list (on demand).

For not listed contact or discharge chemicals, we suggest to inquire separately or check by self testing.

Shore hardness:

77° A +/-3°

Tensile strength:

approx. 17 N/mm²

Breaking elongation:

≥ 350 %

Surface resistance:

approx. 10¹¹ ohm

Thermal application area:

-10°C to +60°C, short time +80°C

Working pressure:

dim. 6 x 3 mm – 25 bar; dim. 9 x 3 mm – 16 bar;
dim. 13 x 3,5 mm – 10 bar

These characteristics are valid for medium and ambient temperature of +20°C and discharging medium water. For gaseous media a decrease of 1/3 of working pressure has to be considered.

Bursting pressure:

at least 4x working pressure

UV resistance:

UV resistant against solar radiation in medium latitudinal lines

Flammability:

Material is flame retardant and only burning in direct contact with fire.
After disconnection material is self-extinguishing.

Dimension tolerances:

for inside diameter and wall thickness according to DIN 16940

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