

Polyamide hose, Hose ø 5x1, black, Roll of 25 m - Riegler 194156

Item no. RGL-194156

Manufacturer Riegler

EAN 4047322686648

Polyamide hose, Hose ø 5x1, black, Roll of 25 m

TECHNICAL DATA

Colour	Black
Country of Manufacture	Italy
For hose ID [mm]	3
For hose OD [mm]	5
Norm	DIN 73378, DIN 74324-1
Weight	0.012 kg
Zolltarifnummer	39172900



STANDARDS & COMPLIANCE

DIN 73378:1996-02 DIN 74324-1:1996-02

DESCRIPTION

Polyamide hose (PA 12 HIPHL), Temperature -40 °C to 130 °C, Hose ø 5x1, PN at 23 °C max. 37 bar, black, Roll of 25 m PA 12 has a low water absorptive capacity and is therefore dimensionally stable if the ambient humidity varies. PA 12 resists greases, oil, fuels, hydraulic fluids, alkalis and salt solutions. Sufficient UV resistance can only be guaranteed if the material is pigmented black! Suitable for use with push-in fittings as externally calibrated. Suitable for vacuum up to 12x9 mm. Main applications: - Compressed air lines (low-pressure range) in industry and manual trades. - Hydraulic lines (miniature hydraulics) in instrumentation and control. - Lines for liquid and free-flowing substances. - Pneumatic braking systems in motor vehicles and trailers (DIN 73378:1996-02 and DIN 74324-1:1996-02). - Fuel and lubricant supply systems. - Vacuum lines

TECHNICAL DATA

Hose material	polyamide (PA 12 HIPHL)
Min. temperature range	-40 °C
Max. temperature range	130 °C
Max. operating pressure at 23 °C	37 bar
Tube I.D.	3 mm

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Tube O.D.	5 mm
Colour	black
Reel length	25 m
Wall thickness	1 mm

STANDARDS AND ORIGIN

- Customs tariff number: 39172900
- Country of origin: IT

ABOUT PA-/ PUR-/ PE-HOSES

Plastic tubing links valves, cylinders and manifolds in a compressed air installation. The right material follows from temperature, bend radius and permissible pressure. This group holds 222 items in polyamide, polyurethane and polyethylene, supplied from the reel.

WHAT MATTERS WHEN CHOOSING

- Start with the tube material. Polyamide PA 12 keeps its impact and notched impact strength down to -60 °C, resists corrosion and stays dimensionally stable thanks to low water absorption, polyurethane is considerably more flexible and more abrasion resistant, polyethylene covers simple lines.
- Inner and outer diameter belong together and determine flow and the matching push-in fitting. The range offers pairings such as 3x0.75, 4x1, 6x4 and 8x6 mm.
- Maximum operating pressure is stated at 23 °C and depends on wall thickness. In PA 12 that means 27 bar at 6x4 and 19 bar at 8x6, in PUR 13 bar at 3x0.75 and 16 bar at 4x1.
- Check the temperature range against the installation point. PA 12 is documented from -60 °C to 100 °C, PUR from -20 °C to 60 °C.
- Choose colour and reel length to suit the installation. Natural, blue, black, yellow and red are among the options, which makes it easier to mark control and working circuits.

TYPICAL APPLICATIONS

- Connecting valve manifolds to cylinders and grippers
- Control air lines inside machines and control cabinets
- Moving lines in cable carriers, where tight bend radii and abrasion matter
- Vacuum and handling technology at suction cups
- Retrofitting compressed air distribution at assembly benches

Countries of origin documented for the 222 items are Germany, Italy and Taiwan. Tube material, wall thickness, reel length and the permissible pressure at 23 °C are listed per item in the data table.