- B-21, Bhan Nagar, Queens Road, Jaipur-302021
- Website: www.aumshivay.com, www.omengineering.in
- E-mail:admin@aumshivay.com

Pneumatic Pipes

Pneumatic Pipes; The basic function of Pneumatic Pipes or Hose is to convey pressurized air to actuators, valves, tools and other Pneumatic devices. We offers many types of Pneumatic tubes such as Nylon Pneumatic Tubes, PU Pneumatic Pipes and PU Coiled Pipes.

A. Pneumatic Pipes (Nylon); These Pneumatic Pipes made up with Nylon material and are used for Pneumatic Cylinders, Directional control valves, solenoid valves and other valves, Air preparation units like filter, regulator and lubricators, Pneumatic control panels, All compressed air lines, machinery of all kinds wherever pneumatic systems are used etc. These tubes are Chemical and Oil Resistant.

Pneumatic Pipes (Nylon)	
Product	**Description**
Item	Pneumatic Tubes (Nylon)
Size	4mm, 6mm, 8mm, 10mm, 12mm, 14mm, 16mm, 18mm, 20mm
Material	Nylon
Resistant	Oil & Chemical Resistance

Applications;

- Pneumatic cylinders (all types).
- Directional control valves, solenoid valves and other valves.
- Air preparation units like filter, regulator and lubricators.
- Pneumatic control panels.
- All compressed air lines, machinery of all kinds wherever pneumatic systems are used.
- Pneumatic circuits in any industry.

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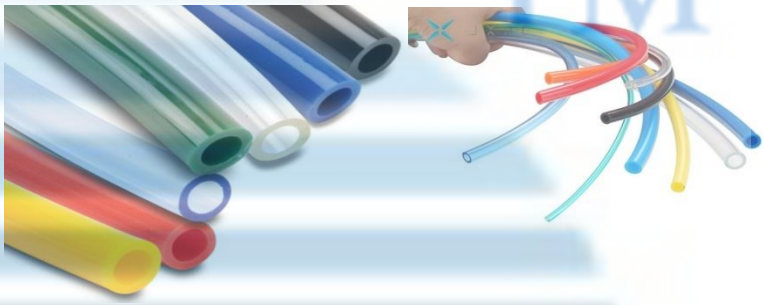
B. PU Pneumatic Pipes (Polyurethane); These PU Pneumatic Pipes are made up with Polyurethane Material are used to provide differentiation of air line in pneumatic circuits. We offers very comprehensive range of Polyurethane Tubes are used in the Pneumatic Equipments. These tubes are manufactured with premium quality raw material. It offers abrasion and tear resistance, high tensile and elongation values, and low compression set. Polyurethane is naturally flexible and exhibits virtually unlimited flexural abilities.

PU Pneumatic Pipes (Polyurethane)	
Product	**Description**
Item	PU Pneumatic Tubes
Size	4mm, 6mm, 8mm, 10mm, 12mm, 14mm, 16mm
Material	Polyurethane (PU)
Resistant	Oil & Chemical Resistance



Features;

- Flexibility of Polyurethane tubing is still good under very low temperature, good elasticity.
- Pretty high intensity, abrasion resistant and long service life, small bending radius.
- Light weight, high grade of transparency, anti-corrosion on partly chemical material.
- Inner Wall of Polyurethane tube is very smooth for transport.
- Hardness 95± 2A, 98± 2A.

Usage Instructions;

- Cut the tube - end burr free and square, using Tube cutter (WC1) and clean the edge to ensure leak tight joints. (Do not use blunt tools / hacksaw / chisel etc.)
- Ensure the tube is fully inserted into the fitting - until the positive stop, beyond the 'U' seal.
- For ensuring proper insertion, pull the tube gently by hand. Polyurethane tube will yield and come out if pulled heavily.
- Minimum bend radius of the tubing to avoid leakage.

Recommended Pressure vs Working Temperature;

Medium	**Compressed Air**
Pressure	**Temperature**
10 bar	5°C to 30°C
9 bar	30°C to 40°C
8 bar	40°C to 50°C
7 bar	50°C to 60°C

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C. PU Coiled Pipes (Polyurethane); These PU Pneumatic Pipes are single tube spiral types made up with Polyurethane material and are used in Pneumatic control and power lines, Air tools, Assembly work stations, Service stations/Garage equipments, Machine tools. These are used to provide differentiation of air line in pneumatic circuits. These Single tube Polyurethane Spiral coil offers outstanding memory and superior flexibility, as well as a soft feel. It is extra ordinarily tough and resistant to abrasion, overstretching, kinking, and repeated flexing.

PU Coiled Pipes (Polyurethane)	
Product	**Description**
Item	PU Coiled Tubes
Size	4mm, 6mm, 8mm, 10mm, 12mm,
Material	Polyurethane (PU)
Resistant	Oil & Chemical Resistance

Applications;

- Pneumatic control and power lines.
- Air tools.
- Assembly work stations
- Service stations / Garage equipments
- Machine tools

Recommended Pressure vs Working Temperature;

Medium	Compressed Air
Pressure	**Temperature**
10 bar	5°C to 30°C
9 bar	30°C to 40°C
8 bar	40°C to 50°C
7 bar	50°C to 60°C