

Low Temperature Resistant TPU Hose



Product Overview

This low temperature resistant TPU hose is designed for pneumatic air lines requiring improved flexibility, durability, and appearance. Its high-performance TPU construction combines hydrolysis resistance, UV resistance, wear resistance, weather resistance, oil resistance, and reliable low-temperature coiling performance.

Key Features

- Maintains flexibility and coiling performance at low temperatures.
- Resistant to hydrolysis and microbial degradation.
- UV resistance rated Grade 3.5 or higher.
- Excellent wear, shear, tensile, and weather resistance.
- Good resistance to oils and compatible non-polar solvents.
- Improved durability and service life over standard PU tubing.

Applications

- Low-temperature pneumatic air lines and compressed-air systems.
- Factory automation equipment and pneumatic control circuits.
- Selected outdoor and weather-exposed equipment.
- Maintenance projects and compatible oil-mist environments.

Selection Guidance

- Confirm tube size, air pressure, temperature, color, and fitting type.
- Confirm chemical exposure, storage condition, and installation environment.
- Use caution above 60 degrees C and verify material compatibility.

Technical Specifications

Parameter	Specification
Product Name	Low Temperature Resistant TPU Hose
Product Type	Special-purpose TPU pneumatic hose / low-temperature resistant air tubing
Material	High-performance TPU
Working Medium	Compressed air and compatible pneumatic line applications
Key Properties	Hydrolysis resistant, UV resistant, wear resistant, weather resistant, and low-temperature flexible
UV Resistance	Grade 3.5 or higher
Chemical Resistance	Good resistance to oils and non-polar solvents
Low Temperature Performance	Remains flexible at low temperatures and maintains good coiling performance during low-temperature bending
Standard Colors	Yellow / Transparent
Tube Sizes	8 x 5 mm, 10 x 6.5 mm, and 12 x 8 mm
Roll Length	100 m per roll
Carton Quantity	8 x 5 mm: 1 x 6 rolls; 10 x 6.5 mm: 1 x 4 rolls; 12 x 8 mm: 1 x 3 rolls
Precautions	Use with caution above 60 degrees C, in strong acid or alkali, highly polar solvents, chemical vapor environments, humid storage, or storage longer than 12 months
Typical Application	Pneumatic air lines, factory equipment, outdoor equipment, low-temperature environments, automation equipment, and maintenance projects
Selection Checks	Confirm tube size, air pressure, working temperature, color, fitting type, chemical exposure, storage condition, and installation environment before ordering

Model Selection and Dimensions

Tube Size, O.D. x I.D.	Color	Unit	Length	Carton Quantity
8 x 5 mm	Yellow / Transparent	Roll	100 m	1 x 6 rolls
10 x 6.5 mm	Yellow / Transparent	Roll	100 m	1 x 4 rolls
12 x 8 mm	Yellow / Transparent	Roll	100 m	1 x 3 rolls

Contact Information

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