

Special-Purpose Tubing Anti-Static TPU Hose



Product Overview

This anti-static TPU hose is designed for pneumatic air lines in electronics manufacturing and other ESD-controlled environments. Made from high-performance TPU, it combines controlled surface resistance, stable dimensional accuracy, and flexible compressed-air routing for automation equipment and workstations.

Key Features

- Surface resistance range of 10^7 - 10^9 ohm for ESD-controlled areas.
- Manufactured from 100% high-performance TPU elastomer.
- Dimensional tolerance controlled within ± 0.12 mm.
- Black standard color with custom color options available.
- Suitable for flexible compressed-air routing in automation equipment.
- Available in metric tube sizes from 4 x 2.5 mm to 12 x 8 mm.

Applications

- Electronics manufacturing and component assembly areas.
- ESD-controlled pneumatic systems and workstations.
- Automation equipment, factory air lines, and maintenance projects.
- Pneumatic control circuits requiring anti-static tubing.

Selection Guidance

- Confirm tube size, air pressure, temperature, and ESD requirements.
- Confirm chemical exposure, humidity, fitting type, and storage conditions.
- Use caution above 60 degrees C and verify material compatibility.

Technical Specifications

Parameter	Specification
Product Name	Special-Purpose Tubing Anti-Static TPU Hose
Product Type	Anti-static TPU pneumatic hose / ESD-safe air tubing
Material	100% high-performance thermoplastic polyurethane elastomer, TPU
Anti-Static Performance	Surface resistance $10^7 - 10^9$ ohm
Dimensional Tolerance	+/- 0.12 mm
Standard Color	Black
Optional Color	Other colors available upon request
Working Medium	Compressed air and compatible pneumatic line applications
Recommended Environment	Electronics manufacturing and electrostatic discharge-controlled working environments
Fluid Temperature	Use with caution when fluid temperature exceeds 60 degrees C
Ambient Temperature	Avoid use where ambient temperature exceeds 60 degrees C
Chemical Exposure Warning	Use with caution for strong acids, strong alkalis, highly polar solvents, or chemical vapor environments
Storage Notice	Do not store in humid conditions or for longer than 12 months
Typical Application	Electronics manufacturing, ESD-controlled pneumatic systems, factory air lines, automation equipment, and maintenance projects
Selection Checks	Confirm tube size, air pressure, working temperature, ESD requirement, chemical exposure, humidity, fitting type, and storage condition before ordering

Model Selection and Dimensions

Tube Size, O.D. x I.D.	Color	Unit	Length	Carton Quantity
4 x 2.5 mm	Black	Roll	100 m	1 x 7 rolls
6 x 4 mm	Black	Roll	100 m	1 x 7 rolls
8 x 5 mm	Black	Roll	100 m	1 x 6 rolls
10 x 6.5 mm	Black	Roll	50 m	1 x 4 rolls
12 x 8 mm	Black	Roll	50 m	1 x 3 rolls

Contact Information

Wenzhou Hongmi Pneumatic Co., Ltd.

Address: Room 501, Xingnan Village, Hongqiao Town, Yueqing City, Zhejiang, China

Email: vivilian@homipneu.com

Phone / WhatsApp: +86 136 0580 6063

Website: <https://homipneu.com>