



Introduction

The tube is the only consumable and the only part that comes into contact with the liquid in the peristaltic pump, so its performance greatly affects the pump's performance.

The tube's resilience determines suction, strength determines pressure, elasticity determines pump's service life, diameter determines flow rate, and wall thickness determines pump's efficiency.

JH peristaltic pump offers five materials of tubes and over fifty specifications for various applications.

Tube Performance Parameters

Tube Picture					
Tube Name	Platinum vulcanized silicone tube	Tygon PharMed BPT	Tygon A-60-F	Tygon A-60-G	Tygon chemical
Temperature resistant	-60°C-250°C	-50°C-135°C	-59°C-135°C	-59°C-135°C	-
Sterilizable	Ethylene oxide/ high temperature and pressure/gamma radiation	Can withstand repeated high temperature and pressure			
Hardness	Shore 50-55A	Shore 64A		Shore 61A	-
Extrusion life by pump	≥ 200 hours	≥ 1000 hours			
Certification	Food grade SGS/ Pharmaceutical grade FDA/USP Class VI/ RoHS2.0/NSF/REACH/ Complies with GMP process	REACH/RoHS/ FDA/USP Class VI /NSF/ISO10993	NSF/FDA	REACH/RoHS	NSF/FDA
Advantages	Food and pharmaceutical grade/ high transparency, non-toxic, odorless/UV and ozone resistance/high tear resistance, wear resistance, ompression resistance/smooth surface, low shedding/flexible, high rebound	Excellent acid and alkali resistance, oxidation resistance/ Good resistance to general chemicals/ Easy to clean and disinfect the tube/Protects light-sensitive fluids due to its non-transparency	Ozone and UV resistance/ Chemical resistance to various food and cleaning agents/ Can transport specified food or beverages within the temperature range	Excellent weather resistance/ wear resistance/ Excellent bending fatigue resistance/ Better air tightness than rubber tubes	Excellent chemical resistance/Virtually unaffected by chemical disinfectants and cleaning agents/ No plasticizer in the lumen/ Resistant to fluid adsorption and adhesion
Application	Peristaltic pump tubing /GMP pharmaceuticals/ Vaccine reagent packaging/Medical industry/Molecular biology/Fine chemicals/ Environmental protection/Food and beverages/Laboratory/ Coating and printing/ Industrial production /Household use	Peristaltic pump tubing/ Sensitive cell culture/ Fermentation synthesis/ Separation/ Purification/ Experiment/ Medical/ Pharmaceutical/ Food, etc.		Peristaltic pump tubing/ Connecting tubes/ Can be used in industrial applications and chemical delivery industries for a long time	