FOREACH Halo tube ® PVC
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FOREACH

流体 从本如此简单

MAKE FLOW EASY

TUBE SERIES

Halotube®

01

SMART FACTORY

GMP

10,000 m²

FullFlow Digitization

Company Profile

Founded in 2012, Shenzhen Foreach Technology Co., Ltd. focuses on the research & development and production of precise control technology in microfluidics and key components of medical devices, environmental and laboratory equipment, etc. Foreach provides a variety of products including pumps, valves, probes, tubing & fittings. Piston pumps are widely used in the fields of biochemistry, chemiluminescence, etc., and Foreach's piston pumps have been dominating the Chinese IVD market for years, thereby having become a preference in the industry. With our cutting-edge Inner Wall Polishing, Foreach's sampling probes have excellent performance and break the monopoly of foreign brands in China. With thousands of tubing & fittings, Foreach has replaced most of homogeneous products of foreign brands.

Foreach always treats innovation as the foundation, continuously invests in the research and development of cutting-edge microfluidic technology, conducts foreseeing scientific research, and builds up new standards for microfluidic applications. Foreach has become a microfluidic component provider with comprehensive products and high brand recognition in the Chinese market.

Foreach is dedicated to providing premium quality, high-performance plastic tube solutions that meet the diverse requirements of customers in microfluidic systems. We have launched a range of high-quality products, including FEP/PVC/TPU, which have been developed in-house to meet the highest standards. These products have been designed to match or exceed the quality of similar foreign products in fields such as laboratory equipment, automated analytical instruments and life sciences.

Research & Development

FOREACH
MAKE FLOW EASY

LEAN MANUFACTURING

17
Processes

84
Core Parameters

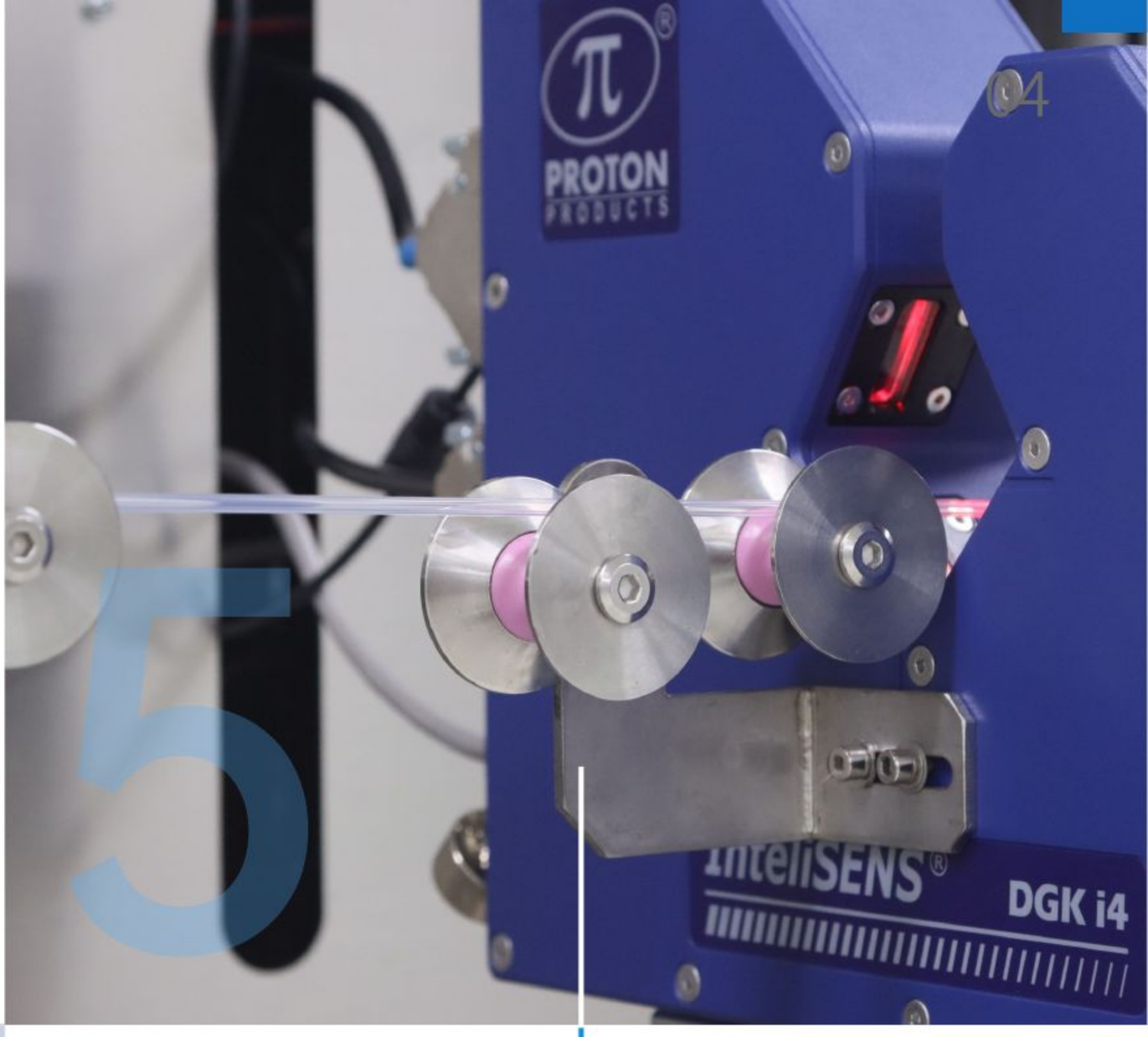
6 Layers
for Quality Inspection

Precision Extrusion

Precision extrusion enhances melt pressure stability, improves product precision and reduces scrap rate.

High-Quality Raw Material Formula

Foreach selects suppliers based on the standards set by international top brands to ensure the quality of our products.



Full-Automatic Feeding System

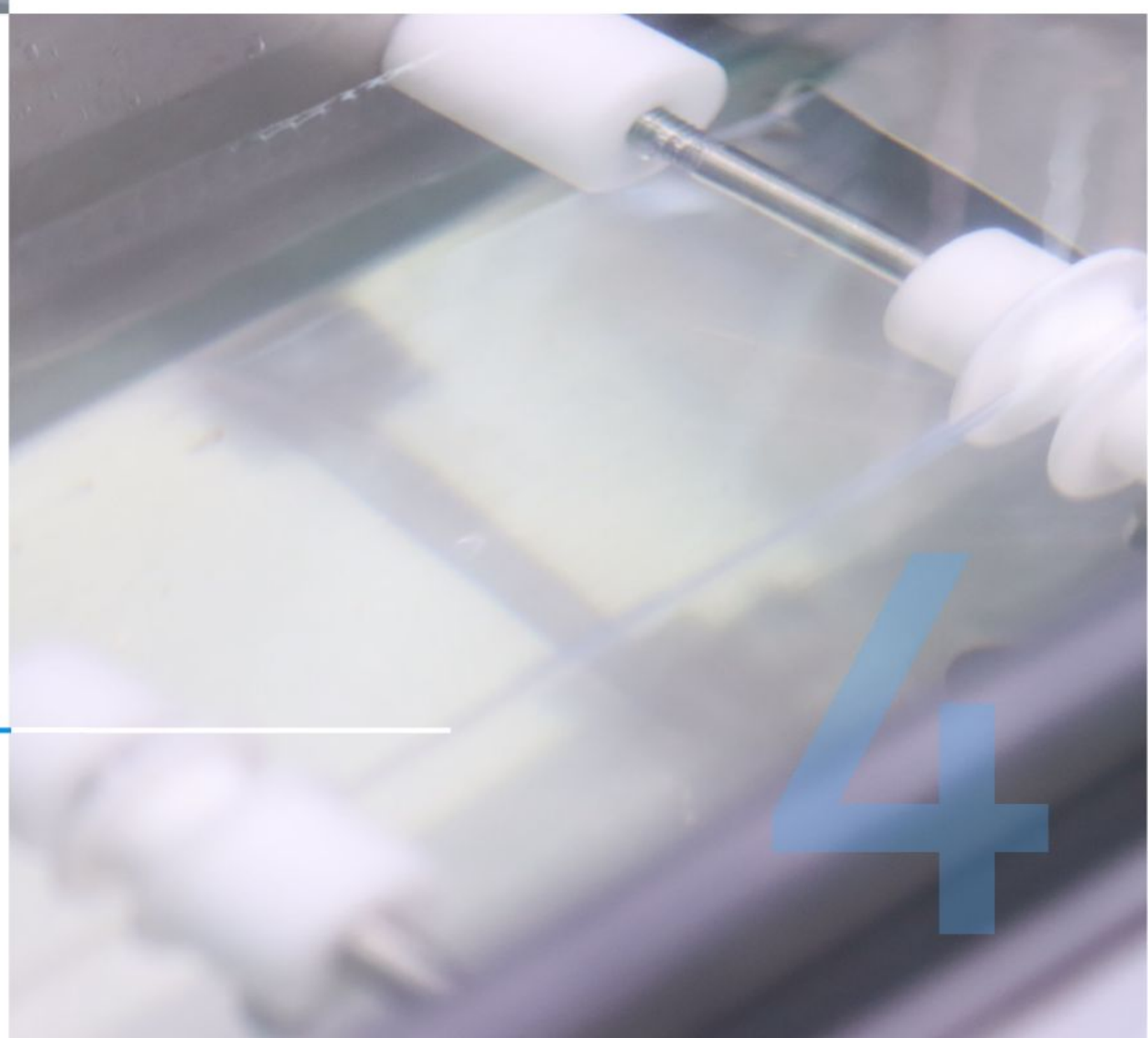
The full-automatic feeding system enables consistent temperature baking and automatic feeding, thus preventing secondary pollution.

High-Precision Diameter Measuring

The device is capable of real-time calibration with a resolution of up to 0.001mm.

Ultra-Pure Water Cooling

This section facilitates rapid cooling and shaping, and the high purity of the water effectively precludes the introduction of impurities.

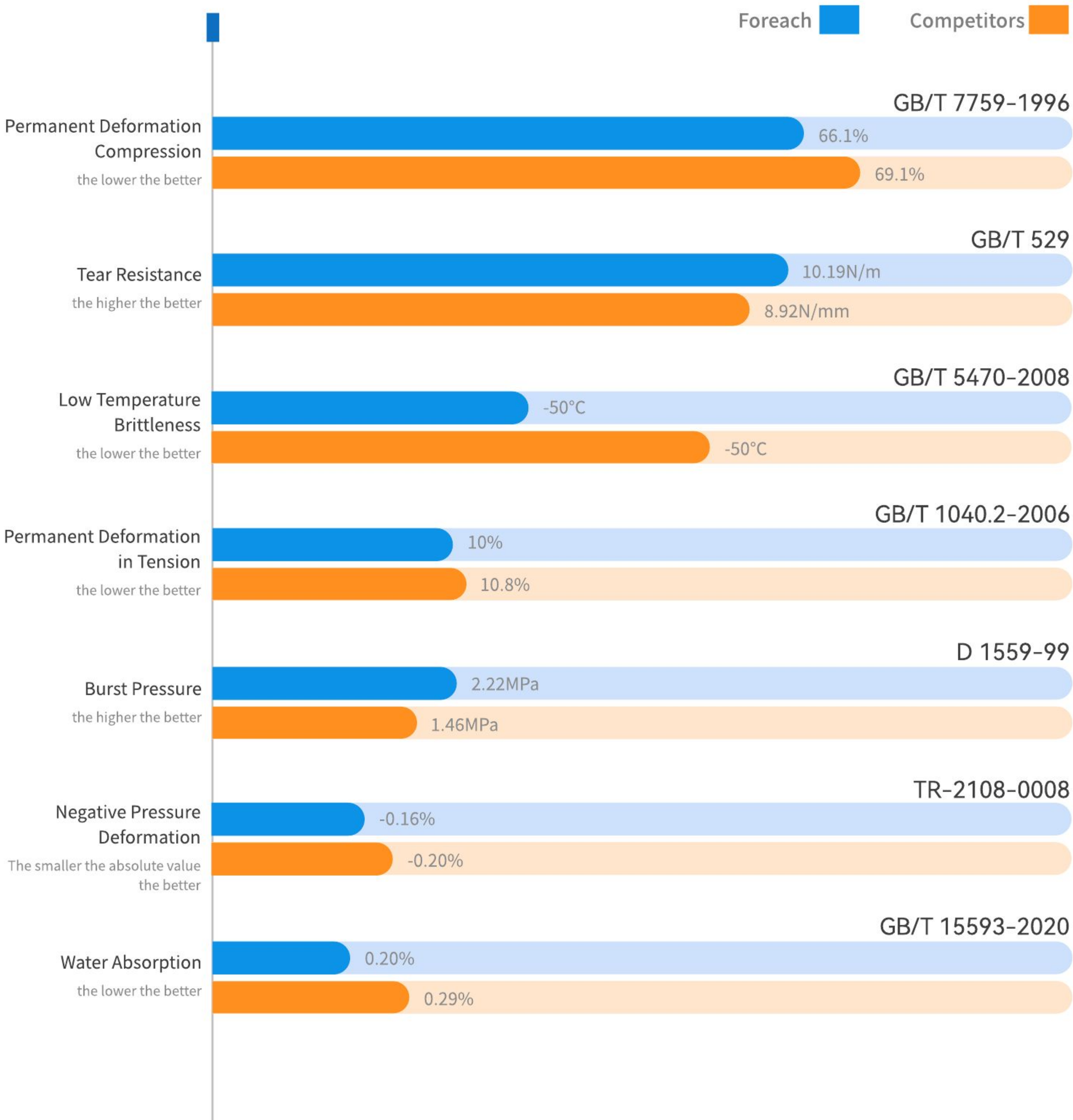


PERFORMANCE TESTING

12 tests

7 national standards

10000+ hours aging test



Over 600 clients served

Cumulative sales of over 5,500,000 meters

Fluoroplastic Hard Tubing

FEP

Perfluoroethylene propylene copolymer (FEP) is a copolymer of tetrafluoroethylene and hexafluoropropylene. It has similar properties to PTFE, but also exhibits good processing performance as a thermoplastic, a modified material of PTFE. Additionally, FEP displays excellent electrical insulation properties, high atmospheric stability, and superior irradiation resistance compared to PTFE.

ETFE

Ethylene-tetrafluoroethylene copolymer (ETFE) is a fluoroplastic material produced through the polymerisation of ethylene and tetrafluoroethylene. ETFE exhibits chemical resistance and high-temperature performance comparable to that of polytetrafluoroethylene (PTFE), while also displaying the processing characteristics of thermoplastics.

PTFE

Tetrafluoroethylene is referred to as "Plastic King," "Teflon," or "PTFE" in English, "Teflon," "Teflon," "Teflon," and other Chinese trade names. The material displays excellent chemical stability, corrosion resistance, pressure resistance, high lubrication, non-stick properties, electrical insulation and good anti-ageing ability, as well as excellent temperature resistance. Furthermore, PTFE itself is not toxic to humans.

Silicone & Rubber Tubing

PVC

Polyvinyl chloride, otherwise known as PVC, is a compound comprising vinyl chloride monomer (VCM), peroxide, azo compounds and other initiators. Alternatively, it can be produced through the action of light and heat in accordance with the free radical polymerisation mechanism. The superior flexibility, transparency, reagent compatibility and other characteristics of PVC pipe make it an ideal material for use in a variety of industries, including medical, food and beverage, where the transportation of fluids is required.

PU

The material in question is polyurethane (PU). The material exhibits chemical resistance, light weight, high abrasion resistance, anti-dyeing, anti-bloating and other properties. However, it displays a lack of high temperature resistance, is susceptible to ageing and is predominantly utilised for air tubes, water tubes and material conveying tubes.

Thermoplastic Elastomer Tubing & PEEK Tubing

TPE

Thermoplastic elastomers are translucent materials that can be sterilised at 135°C. The raw materials used to manufacture TPE luer fittings are identical to those employed in the production of TPE fittings. Consequently, the former exhibit the same characteristics, namely a minimal dissolved matter content and a low oxygen escape rate.

TPU

Thermoplastic polyurethane (TPU) is an elastomer material derived from the polymerisation of diisocyanates and polyols. Due to its high elasticity and processability, TPU is a versatile material with excellent performance characteristics. It exhibits resistance to abrasion, oil, low temperature, and aging, as well as good mechanical properties and transparency.

PEEK

Polyetheretherketone (PEEK) is a semi-crystalline thermoplastic polymer. PEEK is a semi-crystalline thermoplastic that exhibits high strength, high toughness, and high temperature and chemical resistance. PEEK is a high-performance engineering plastic that exhibits high temperature resistance comparable to thermoset plastics and demonstrates favourable processing characteristics akin to thermoplastics.

	FEP	ETFE	PTFE	PVC	PU	TPE	TPU	PEEK
0.8*1.6	●	●	●	●		●		●
0.8*2.4								
1.0*1.6								
1.0*2.0								
1.0*2.7								
1.2*2.4								
1.5*2.5								
1.6*3.2					●		●	
1.6*4.8								
2.0*3.0								
2.0*3.5								
2.0*4.0								
2.2*2.8								
2.4*4.0								
2.4*5.5								
2.5*4.0								
3.0*5.0								
3.2*4.8	●	●						
3.2*6.4								
4.0*5.7								
4.0*6.0								
4.0*7.1								
4.8*7.9								
5.5*8.0								
6.0*8.0								
6.4*8.6								
6.4*9.5								
6.4*12.7								
7.0*10.0								
7.9*12.7								
8.0*12.0					●		●	
9.5*12.0								
9.5*14.3								
11.1*15.9								
12.7*19.1								
15.9*22.2								
19.1*25.4								

For complete compliance information, visit **www.foreachtek.com**

Foreach				Competitors
Series	Product code	I.D.*O.D.	Color	Common series
M3600	438001	1.6*3.2	Transparent	55A
M3600	438007	1.6*4.8	Transparent	55A
M3600	438002	2.0*4.0	Transparent	55A
M3600	438003	2.4*4.0	Transparent	55A
M3600	438004	3.2*6.4	Transparent	55A
M3600	438006	4.0*7.1	Transparent	55A
M3600	438005	4.8*7.9	Transparent	55A
M3600	438008	6.4*9.5	Transparent	55A
M3600	438010	7.9*12.7	Transparent	55A
M3600	438009	9.5*14.3	Transparent	55A
M3600	438011	12.7*19.1	Transparent	55A
E3600	439015	0.8*2.4	Transparent	65A
E3600	439020	1.0*2.7	Transparent	65A
E3600	439016	1.2*2.4	Transparent	65A
E3600	439001	1.6*3.2	Transparent	65A
E3600	439008	1.6*4.8	Transparent	65A
E3600	439007	2.0*3.8	Transparent	65A
E3600	439002	2.0*4.0	Transparent	65A
E3600	439003	2.4*4.0	Transparent	65A
E3600	439017	2.4*5.5	Transparent	65A
E3600	439004	3.2*6.4	Transparent	65A
E3600	439006	4.0*7.1	Transparent	65A
E3600	439005	4.8*7.9	Transparent	65A
E3600	439009	6.4*9.5	Transparent	65A
E3600	439018	6.4*12.7	Transparent	65A
E3600	439010	7.9*12.7	Transparent	65A
E3600	439011	9.5*14.3	Transparent	65A
E3600	439014	11.1*15.9	Transparent	65A
E3600	439012	12.7*19.1	Transparent	65A
E3600	439019	15.9*22.2	Transparent	65A

Free Sample Request

Operating procedure

Scan the QR code below → Entering demand information → specialists will call you back to confirm your requirements → Samples delivered

34% Cost Reduction

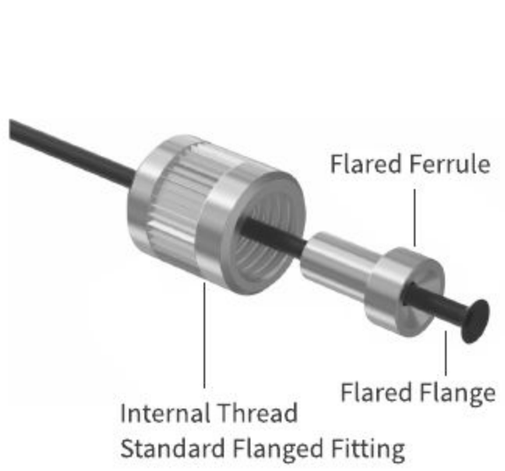
68% Improved Delivery

VALUE-ADDED SERVICE

Custom Tube Assemblies

Relying on the HaloFit®Series, we can customise virtually any commercially available microfluidic tubing assembly size and form, in common forms:

view selection chart



H Series

B Series

Q Series

L Series