



Specification

Material for fluid contact portion: PFA
 Reinforcement: Reinforcing Braid fiber + wire
 Outer surface: Ethylene propylene rubber
 Operating temperature range: $-30^{\circ}\text{C}\sim 130^{\circ}\text{C}$
 Max. Operating temperature: 150°C for max. 30 min (CC&CP: 135°C for max. 20min)

Feature

- Suitable for transferring fluids, such as food, beverage, pharmaceutical products, cosmetic products, and chemical products.
- Satisfies FDA 21CFR177.1550 and USP class VI.
(CC is only for FDA 21CFR177.1550)
- CC and CP are conformed to ATEX, and the static prevention effect is $\text{RO}10^{\circ}\Omega$ for CC and $\text{RO}10^{\circ}\Omega$ for CP.
- Rubber odor and transferred smell via a hose can be reduced.
- This product has much better flexibility than conventional straight PTFE hoses.
- The exterior is made of EPDM rubber which has excellent chemical resistance.
- Up to 20m in length can be produced.

Joint specification : Equivalent material to SUS316L (standard)
 Ends of a hose : Contact bonding joint method, recycled joint method.
 Standard joint ferrule (10A to 4S) and other specifications can be produced.
 (SMS, DIN, RJT, IDF nut, and cam lock of NRS joints, etc.)
 90° elbows and varying diameter reducer joints are also available.

Use

Can be used in all types of clean fields, such as pharmaceutical products, food, beverage, cosmetic products, and chemical products.

POLYTECH (PFA hose Operating temp: $-30\sim 130^{\circ}\text{C}$ Max. Operating temp: 150°C for max. 30 min (CC&CP: 135°C for max. 20min))

Standard N B	ND	Hose I.D. (mm)	Hose O.D. (mm)	Working pressure (MPa)	Burst pressure (MPa)	Bending radius (mm)	Vacuum pressure (bar)	Weight (kg/m)
10A	13	13	26	1.0	3.0	55	0.9	0.58
15A	16	16	29	1.0	3.0	70	0.9	0.66
	19	19	32	1.0	3.0	90	0.9	0.78
1S	25	25	39	1.0	3.0	130	0.9	0.95
	32	32	46	1.0	3.0	180	0.9	1.15
1.5S	38	38	52	1.0	3.0	240	0.9	1.40
2S	51	51	66.5	1.0	3.0	290	0.9	2.00
2.5S	63	63	79.5	1.0	3.0	375	0.9	2.85
3S	76	76	94	1.0	3.0	500	0.9	3.36
4S	100	100	118	1.0	3.0	600	0.9	5.00

※ND16 is not prescribed for CC.

NRS contact bonding joint can be attached to POLYTECH.



NRS is the abbreviation of non-retention system and means a structure without fluid accumulation.
 Of course this product allows sealing which prevents hose from falling off and leaks.



The recycled joint is an assembly-type joint in which a hose is pinched by a two-piece cover and can be easily attached and removed without using special tools.

GECI Tech Quality Assurance

- Traceability is available for joints made of SUS316L because a mill sheet is attached.
- Date of manufacturing is engraved on all GECI Tech products.
- Joints are polished to simplify cleaning processes.
- The warranty period is one year.
- All contact-bonding joints of GECI Tech are based on the NRS (non-retention system) concept.
- Certificates are attached to all GECI Tech products.

GECI Tech attaches SUS316L certificate to a joint and FDA/BgVV conformity certificate to a flexible hose.



POLYTECH CC



POLYTECH CP



GECI (France)

GECI is a manufacturer specializing in the production and sales of flexible hoses and relative joints to be used for food, medical or pharmaceutical products, cosmetic products, and chemical products mainly in Europe and America.