



**APPLICATIONS**



The POLYSIL® hose is ideal for transferring food, chemical, cosmetic, pharmaceutical and biotechnology products.

The combination of silicone and PFA gives it excellent thermal properties and resistance to the most aggressive products while also avoiding any risk of migration of the transferred product.

Excellent resistance in dynamic cycles (repeated machine cycles of dosing or filling).

**CHARACTERISTICS**



Standard manufacturing length: 5.60 m.

Cleaning: CIP products, steam sterilisation (135°C for 30 min), autoclaving.



+120°C  
-30°C

**COMPOSITION**



- Tube: PFA (fluoropolymer) inert, ultra-smooth and non-adherent.
- Reinforcement: textile and stainless steel (high resistance against stress corrosion) embedded in the wall.
- External covering: platinum catalysed white silicone.

**STANDARDS**



FDA 21CFR 177 1550, USP Physicochemical 661, cytotoxicity test, Hemolysis, USP class VI, Regulation (EU) 10/2011, phthalate free.



**ASSEMBLY POSSIBILITIES**



NRS®



MSP®  
(Contact us)



Reference	Ø int		Ø ext		Working pressure		Bursting pressure		Bend radius		Vacuum		Weight	
	mm	inch	mm	inch	bar	PSI	bar	PSI	mm	inch	bar	PSI	kg/m	lb/f
457155013	13	0,51	23,5	0,92	10	145	40	580	95	3,74	-0,9	-13	0,39	0,26
457155016	16	0,63	27,0	1,06	10	145	40	580	110	4,33	-0,9	-13	0,50	0,34
457155020	20	0,78	31,3	1,23	10	145	40	580	135	5,31	-0,9	-13	0,63	0,42
457155025	25	1,00	37,5	1,47	10	145	40	580	140	5,51	-0,9	-13	0,90	0,60
457155032	32	1,25	45,0	1,77	10	145	40	580	190	7,48	-0,9	-13	1,20	0,81
457155038	38	1,50	51,5	2,03	10	145	40	580	220	8,66	-0,9	-13	1,35	0,91
457155051	51	2,00	65,0	2,56	10	145	40	580	250	9,84	-0,9	-13	1,90	1,28
457155063	63	2,50	79,0	3,11	10	145	40	580	308	12,13	-0,9	-13	2,40	1,61

The above values are given for use at ambient temperature (+/- 20°C) and may vary depending upon conditions of use.  
Dimensional tolerances: contact us.