

Versilon™ C-219-A

Flexible Chemical Transfer Tubing

Versilon C-219-A tubing offers clarity, outstanding flex life and broad chemical resistance. These features make it ideal for many applications including fluid handling systems, soap and detergent transfer systems.

Versilon C-219-A tubing utilizes a Non-DEHP plasticizer and is both REACH and ROHS compliant. Additionally, this product offers a long service life and accommodates a variety conditions such as abrupt corners or other obstructions.

Features and Benefits

- Long service life — non-aging, non-oxidizing
- Smooth inner wall resists build-up
- Soft and flexible — easy to slip over fittings
- Tight bend radius
- Outstanding flex life
- Broad chemical resistance
- Contains no BPA or phthalates

Typical Applications

- Soap and detergent transfer

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Part Number	ID	OD	Wall Thickness	Length
	(in)	(in)	(in)	(ft)
ABH02002	1/16	1/8	1/32	100
ABH02007	1/8	1/4	1/16	100
ABH02012	3/16	5/16	1/16	100
ABH02013	3/16	3/8	3/32	100
ABH02014	3/16	7/16	1/8	100
ABH02017	1/4	3/8	1/16	100
ABH02018	1/4	7/16	3/32	100
ABH02019	1/4	1/2	1/8	100
ABH02022	5/16	7/16	1/16	100
ABH02023	5/16	1/2	3/32	100
ABH02027	3/8	1/2	1/16	100
ABH02028	3/8	9/16	3/32	100
ABH02029	3/8	5/8	1/8	100
ABH02032	7/16	9/16	1/16	100
ABH02033	7/16	5/8	3/32	100
ABH02036	1/2	5/8	1/16	100
ABH02037	1/2	11/16	3/32	100
ABH02038	1/2	3/4	1/8	100
ABH02039	1/2	13/16	5/32	100
ABH02041	9/16	3/4	3/32	100
ABH02045	5/8	13/16	3/32	100
ABH02046	5/8	7/8	1/8	100
ABH02053	3/4	1	1/8	100
ABH02054	3/4	1-1/16	5/32	100
ABH02055	3/4	1-1/8	3/16	100
ABH02057	3/4	1-1/4	1/4	100
ABH02059	7/8	1-1/8	1/8	100
ABH00062	1	1-1/4	1/8	50
ABH00064	1	1-3/8	3/16	50
ABH00065	1	1-1/2	1/4	50
ABH00070	1-1/4	1-5/8	3/16	50
ABH00071	1-1/4	1-3/4	1/4	50
ABH00073	1-1/2	1-7/8	3/16	50
ABH00074	1-1/2	2	1/4	50
ABH00076	1-3/4	2-1/4	1/4	50
ABH00078	2	2-1/2	1/4	50
ABH00082	2-1/2	3	1/4	50
ABH00085	3	3-1/2	1/4	50
ABH05077	2	2-3/8	3/16	20
ABH05078	2	2-1/2	1/4	20
ABH05082	2-1/2	3	1/4	20
ABH05085	3	3-1/2	1/4	20

Typical Physical Properties

Property	ASTM Method	Value or Rating
Durometer Hardness (Shore A) 15 sec	D2240-02	67
Color	-	Clear
Tear Resistance, lb-f/inch (kN/m)	D1004-94	180 (31.5)
Specific Gravity	D792-00	1.21
Water Absorption, % at 23°C (73°F) for 24 hrs	D570-98	0.12
Compression Set Constant Deflection, % at 70°C (158°F) for 22 hrs	D395-01 Method B	65
Maximum Recommended Operating Temp °C (°F)	-	165 (74)
Ultimate Elongation, %	D412-98	400
Tensile Strength psi (MPa)	D412-98	2,450 (16.9)
Low Temp Flexibility °C (°F)	D746-98	-45 (-43)

Relative Chemical Resistance Properties Table

ACIDS			BASES			Salts	Alcohols	Ketones
Conc.	Med.	Weak	Conc.	Med.	Weak			
F	E	E	E	E	E	E	F	U

E= Excellent
F= Fair
U= Unsatisfactory

Unless otherwise noted, all tests were conducted at room temperature (72°F). Values shown were determined on 0.075" thick extruded strip or 0.075" thick molded ASTM plaques or molded ASTM durometer buttons.

The values listed for working and burst pressures are derived from tests conducted under controlled laboratory conditions. Many factors will reduce the tubing's ability to withstand pressure, including temperature, chemical attack, stress, pulsation and the attachment to fittings. It is imperative that the user conduct tests simulating the conditions of the application prior to specifying the tubing for use.



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NOTE: The data and details given in this document are correct and up to date. This document is intended to provide information about the product and possible applications. This document is not the product specification and does not provide specific features, nor does it guarantee product performance in specific applications. Saint-Gobain cannot anticipate or control the conditions of the field and for this reason strongly recommends that practical tests are conducted to ensure that the product meets the requirements of a specific application.

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