VERSILON™
Fluid Performance

Versilon™ R-3400

UV-Resistant Acid Transfer Tubing

Versatility in Chemical Resistance

Ideal for virtually any permanent or temporary chemical transfer application, Versilon™ R-3400 tubing combines suppleness and flexibility with resistance to a wide range of chemicals. It shows exceptional resistance to strong acids and many alkalies. The flexibility of Versilon™ R-3400 tubing also makes it quick and easy to put into service, providing considerable savings on installation time and cost when compared to rigid piping systems.

Outstanding UV Resistance

Black in color, Versilon™ R-3400 is resistant to ultraviolet light, ozone and weathering, making it ideal for many outdoor applications. Standard inventoried sizes of Versilon™ R-3400 tubing have sufficient wall thickness to block transmission of all UV light.

Excellent Burn Resistance

Versilon™ R-3400 tubing meets UL 94 V-0 and UL 94 HB flammability ratings. Specifying Versilon™ R-3400 tubing for use in equipment that requires specific burn characteristics can help to simplify the approval process.

Features and Benefits

- Black in color to protect light-sensitive fluids
- Compatible with a wide range of chemicals
- Ozone resistant
- High temperature rating for excellent burn resistance
- Low compression set to minimize permanent deformation
- Available in clear formulation for fluid flow monitoring

Typical Applications

- Acid and caustic transfer
- Corrosive diffusible gases
- Fertilizer and pesticide dispensing
- Electrical insulation lines
- Ink and adhesive dispensing

SAINT-GOBAIN

Versilon™ R-3400

www.processsystems.saint-gobain.com

Versilon™ R-3400

Part Number	ID	OD	Wall Thickness	Min. Bend Radius	Max. Working Pressure	Vacuum Rating
	(in)	(in)	(in)	(in)	73°F (psi)*	73°F (inHg)
AAE00002	1/16	1/8	1/32	1/4	60	29.9
AAE00004	3/32	5/32	1/32	3/8	45	29.9
AAE00005	3/32	7/32	1/16	1/4	80	29.9
AAE00007	1/8	1/4	1/16	3/8	60	29.9
AAE00010	5/32	9/32	1/16	1/2	50	29.9
AAE00011	3/16	1/4	1/32	1	25	11.0
AAE00012	3/16	5/16	1/16	5/8	45	29.9
AAE00013	3/16	3/8	3/32	1/2	60	29.9
AAE00017	1/4	3/8	1/16	1	35	25.0
AAE00018	1/4	7/16	3/32	3/4	50	29.9
AAE00022	5/16	7/16	1/16	1-3/8	30	16.0
AAE00027	3/8	1/2	1/16	1-3/4	25	11.0
AAE00029	3/8	5/8	1/8	1-1/8	45	29.9
AAE00032	7/16	9/16	1/16	2-1/4	20	8.0
AAE00038	1/2	3/4	1/8	1-3/4	35	25.0
AAE00046	5/8	7/8	1/8	2-3/8	30	16.0
AAE00053	3/4	1	1/8	3-1/4	25	11.0

*Working pressures are calculated at a 1:5 ratio relative to burst pressure using ASTM D1599.

Typical Physical Properties

Property	ASTM Method	Value or Rating
Durometer Hardness (Shore A), 15 sec	D2240-02	64
Color	—	Black
Opacity	—	Opaque
Tensile Strength, psi (MPa)	D412-98	2250 (15.5)
Ultimate Elongation, %	D412-98	350
Tear Resistance, lb-f/in (kN/m)	D1004-94	185 (32.0)
Specific Gravity	D792-00	1.31
Water Absorption, % at 73°F (23°C) for 24 hrs.	D570-98	0.19
Compression Set Constant Deflection, % at 158°F (70°C) for 22 hrs.	D395-02 Method B	64
Maximum Recommended Operating Temp., °F (°C)	—	165 (74)
Brittleness by Impact Temp., °F (°C)	D746-98	-6 (-21)
Tensile Stress, psi (MPa) @ 100% Elongation	D412-98	1000 (6.9)
Tensile Set, %	D412-98	56
Dielectric Strength, v/mil (kV/mm)	D149-97	490 (19.3)

Unless otherwise noted, all tests were conducted at room temperature (73°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.

SAINT-GOBAIN

Saint-Gobain Performance Plastics
2664 Gilchrist Road
Akron, Oh 44305

1-800-798-1554
Tel: (330) 798-9240
Fax: (330) 798-6968

www.processsystems.saint-gobain.com