Pharm-A-Line VI

Co-extruded Tubing

SaniSure's Pharma-A-Line VI is a co-extruded tubing with the inner liner made of clear low-density polyethylene (LDPE) material. The outer shell is manufactured from high-purity ethylene vinyl acetate (EVA), which gives superior flexibility and clarity with good burst strength. It is very resistant to most solvents and excellent barrier characteristics with low gas and liquid permeability.

- Packaged in a controlled environment
- Standard and custom sizes available
- Manufactured for pharmaceutical and biopharmaceutical applications

Key Features

Superior Chemical Resistance
Flexible
Welds with RF and Conventional Heat Sealers
Easy to Post-fabricate
Superior Pressure Rating
Nonhemolytic
Low cost
Pharm-A-Line XL -60F to 180F (-51C to 82C)
Pharm-A-Line VI -60F to 160 F (-51C to 71C)

Applications

Pharmaceutical
Food Processing
Fine Chemical Process
Purified Water
Wire Insulation and Jacketing

Compliance

USP Class VI
FDA 21 CFR177.1550
Animal Derivative, Plant Derivative, BSE/TSE compliant
CA Prop 65 compliant
RoHS Compliant

Values	Liner	Shell
Material	LDPE	EVA
Durometer (5SEC.ASTM D2240)	50 (Shore D)	80 (Shore A)
Tensile Strength, Yield (ASME D-638)	2,100 PSI	2,500 PSI
Tensile Elongation (Break) (ASTM D-638)	550 %	750 %
Tensile Stress @ 100 psi (ASTM D-638)	420	400
Flexural Modulus (ASTM 790)	28,500 PSI	2,300 PSI
Tear Resistance Lb./in	N/A	128
Compression Set (ASTM D 395)	N/A	49%
Brittle Point, °F (ASTM D-746)	-29	-148
Low Temp. Flex at -40 (Fahrenheit)	Passed	Passed
Heat Resistance (Fahrenheit)	160F	160F

Regulatory Testing

US Pharmacopoeia (USP Class VI)

Based on the information made available to us by our material suppliers, this product meets the requirements of U.S. Pharmacopoeia (Class VI).

US FDA Food Contact Status

Based on the information made available to us by our material suppliers, this product complies with the U.S. Food and Drug Administration's food additive regulation 21 CFR 177.1520(c), paragraph 2.1, under the Federal Food, Drug, and Cosmetic Act. The preceding statement refers to regulatory requirements only, not to the product's physical utility. It is the responsibility of the article producer or food packager to determine that the article is suitable for its intended use.

Substances and Chemicals

Based on the information made available to us by our material suppliers, this product is not intentionally manufactured or formulated with the following substances or compounds; however, we do not analyze for these substances or compounds.

- Arsenic and Arsenic compounds
- Asbestos
- Bis(2-ethylhexyl) adipate (DEHA)
- Bisphenol (BPA)
- Latex
- Melamine
- Phthalates / Phthalate esters
- Plasticizers
- Silicone

California Proposition 65

Based on the information made available to us by our material suppliers, this product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute as of the effective date of this regulatory datasheet.

Conflict Minerals

Based on the information made available to us by our material suppliers, 3TG (tin, tantalum, tungsten, or gold) materials are not utilized in the formulation or manufacture of this product.

Heavy Metals, EU 94/62/EC and Coalition of Northeastern Governors (CONEG)

Based on the information made available to us by our material suppliers, this product conforms to the Coalition of Northeastern Governors (CONEG) and the European Directive 94/62/EC. Any incidental levels of lead, cadmium, hexavalent chromium, and mercury do not exceed 100 ppm total.

RoHS

Based on the information made available to us by our material suppliers, this product complies with the requirements of EU Directive 2011/65/EU (RoHS). It is not intentionally manufactured or formulated with cadmium, hexavalent chromium, lead, mercury, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP), or Diisobutyl phthalate (DIBP).

Animal Derived Components (BSE/TSE)

To the best of our knowledge, this product is not manufactured or formulated with ingredients of animal origin.

Sterilization

Ethylene Oxide (ETO)
Gamma Irradiation

Shelf Life and Storage Conditions

If stored according to the following recommendations, SaniSure recommends that customers dispose of this product after eight (8) years from the date of manufacturing. Store this product in a dry inside environment with a target ambient tempera-ture of 77°F and humidity of less than 65%. The product should be free from exposure to direct outside weather influences and stored in a dark space out of direct contact with light.

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Sizing Chart

Part Number	ID	OD	Wall	Working at 72˚ F
PH**-062X187	1/16″	3/16″	1/16″	76 PSI
PH**-125X187	1/8″	3/16″	1/32″	43 PSI
PH**-125X250	1/8″	1/4″	1/16″	70 PSI
PH**-187X312	3/16″	5/16″	1/16″	60 PSI
PH**-187X250	3/16″	1/4″	1/32″	38 PSI
PH**-250X375	1/4″	3/8″	1/16″	60 PSI
PH**-312X437	5/16″	7/16″	1/16″	52 PSI
PH**-375X500	3/8″	1/2″	1/16	50 PSI
PH**-375X625	3/8″	5/8″	1/16″	50 PSI
PH**-500X625	1/2″	5/8″	1/16″	32 PSI
PH**-500X750	1/2″	3/4″	1/8″	50 PSI
PH**-625X875	5/8″	7/8″	1/8″	47 PSI
PH**-750X1.00	3/4″	1″	1/8″	40 PSI

*To specify Pharma-A-Line VI, replace ** with letters VI. For Pharma-A-Line XL, replace ** with XL*

Note: XL = cross linked (Gamma Irradiated) Plastic for Higher Performance

NOTE: Standard coil length is 50 feet. Other length and spools available, consult factory.

Burst
Note: Tested at 23C Temp

Tubing has printing.
Can also have No Print (NP) as option

Authorized Distributor

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Please contact our quality department for the most up-to-date regulatory information. Specifications in this document are subject to change without notice.

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