

# VENABIO<sup>®</sup> BRAIDED

## DOUBLE BRAIDED

This product is braided twice using a polyester yarn and a silicone layer between them. This provides moderate pressure resistance and a maximum of 180°C.

### MATERIAL

Platinum cured silicone. Postcured to completely eliminate volatiles. Reinforced with a polyester or fiberglass braiding.

|                  |                   |      |
|------------------|-------------------|------|
| Hardness         | Shore A           | 60   |
| Tensile strength | N/mm <sup>2</sup> | >7   |
| Elongation       | %                 | >300 |
| Tear strength    | kN/m              | >20  |
| Density          | g/cm <sup>3</sup> | 1,17 |

### DESCRIPTION

Silicone tubing is the basic material upon any single use process is built.

Its great overall performance and resistance to temperature, moist, ozone and steam and high biocompatibility makes it the product of choice for all stages of bioprocessing, from drug formulation, upstream processing and all downstream's critical steps from separation to final fill.



#### ROLL LENGTH

Available in 25ft and 50ft



#### CLEAN ROOM

Manufactured in ISO14644-1 Class 7



#### TEMPERATURE

-60°C / +180°C  
(-76°F / +356°F)



#### SMOOTHNESS

Reduces protein binding and biofilm formation



#### LASER ETCHED

Traceable with reference, lot number and ID/OD



#### DOUBLE BAG

Double bagged under vacuum (see page 5)



#### ANIMAL FREE

Animal derived component free



#### RADIOSTABLE

Gamma/eBeam sterilization available



## STERILIZATION

- Dry heat
- Autoclave
- CIP
- SIP
- Ethylene oxide
- Hydrogen peroxide
- eBeam (25kGy)\*
- Gamma (25kGy)\*

\*Sterilization available prior shipment.

## BIOCOMPATIBILITY\*

- ADCF
- P/BPA
- BSE/TSE
- EU 10/2011
- EU 1935/ 2004
- BfR XV
- 3A 18-03
- EP 3.1.9.
- FDA 21CFR177.2600
- USP 85
- USP 87
- USP 88
- USP 381
- USP 788
- ISO 10993-4
- ISO 10993-5
- ISO 10993-6
- ISO 10993-10
- ISO 10993-11
- Extractables & leachables

\*For complete validation package, please contact your sales representative.

## MORE VENABIO®

- Silicone:
  - Flow Pumpgrade
  - Flow Multipurpose
  - Flow High Pressure
  - Precision
  - Braided
  - Braided Plus
  - Braided High Pressure
- Thermoplastics:
  - Weld
  - Pump
- Fluorinated
  - FEP
  - PTFE

| Reference    | ID             | OD              | Wall         | Working pressure  | Burst pressure    |
|--------------|----------------|-----------------|--------------|-------------------|-------------------|
| 9200855*     | mm (inches)    | mm (inches)     | mm (inches)  | Bar (PSI) at 20°C | Bar (PSI) at 20°C |
| 920085500005 | 5,10 (1/5)     | 13,10 (33/64)   | 4,00 (3/19)  | 25,2 (365)        | 75,5 (1095)       |
| 920085500006 | 6,40 (1/4)     | 16,10 (45/71)   | 4,85 (17/89) | 23,7 (344)        | 71,2 (1033)       |
| 920085500008 | 7,90 (5/16)    | 18,00 (17/24)   | 5,05 (1/5)   | 22,9 (331)        | 68,5 (994)        |
| 920085500010 | 9,50 (3/8)     | 20,00 (37/47)   | 5,25 (6/29)  | 22,3 (324)        | 66,9 (971)        |
| 920085500012 | 12,70 (1/2)    | 22,70 (42/47)   | 5,00 (12/61) | 19,4 (282)        | 58,3 (846)        |
| 920085500015 | 15,90 (5/8)    | 27,10 (1 1/15)  | 5,60 (15/68) | 17,0 (246)        | 50,9 (739)        |
| 920085500019 | 19,10 (3/4)    | 30,60 (1 17/83) | 5,75 (12/53) | 15,6 (226)        | 46,8 (678)        |
| 920085500022 | 22,20 (7/8)    | 33,20 (1 4/13)  | 5,50 (21/97) | 14,0 (202)        | 41,9 (607)        |
| 920085500025 | 25,40 (1)      | 37,00 (1 37/81) | 5,80 (8/35)  | 12,5 (181)        | 37,5 (544)        |
| 920085500028 | 28,00 (1 4/39) | 41,60 (1 44/69) | 6,80 (15/56) | 11,7 (169)        | 35,0 (508)        |
| 920085500032 | 31,80 (1 1/4)  | 46,10 (1 22/27) | 7,15 (9/32)  | 10,1 (164)        | 30,2 (438)        |

**IMPORTANT:** The Company reserves the right to change, amend, modify, suspend, continue or terminate all or any part of this Catalogue at any time without notice. It is the user's responsibility to ensure the suitability and safety of the VENAIR products for all intended uses. All the tests must be conducted in accordance with applicable regulatory requirements in order to determine the safety and effectiveness for use of the hoses in any particular application.

**LIMITED WARRANTY:** For a period of 6 months from the date of sale, VENAIR warrants this product to be free from defects in materials and workmanship. Our only obligation will be to replace any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risk, if any, including the risk of injury, loss or damage, direct or consequential, arising out of the use, misuse, or inability to use, this product. This warranty is in lieu of the warranties of merchantability, fitness for particular purpose, and all other warranties, expressed implied. No deviation is authorized. VENAIR assumes no obligations or liability for any advice furnished by it, or for results obtained with respect to those products. All such advice is given and accepted at the buyer's risk.

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