

VENABIO®

FLOW

PUMP GRADE

For the applications where low flow variations and long pump life are of the utmost importance, lower hardness is recommended.

MATERIAL

Platinum cured silicone. Post-cured, decreasing greatly the number of volatile compounds in the final products.

Hardness	Shore A	50±5
Tensile strength	N/mm ²	>7
Elongation at break	%	>350
Tear strength B	kN/m	>20
Density	g/cm ³	1.13±0.02


DESCRIPTIONS


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 50ft


 **Clean room**
Manufactured in
ISO14644-1 Class 7

 **Temperature**
-60°C/220°C
(-76°F/+428°F)

 **Radiostable**
Gamma sterilization
available

 **Laser etched**
Traceable with
reference, lot number
and ID/OD

 **Double bag**
Double bagged under
vacuum

 **Animal free**
Animal derived
component free

STERILIZATION

- Dry heat¹
- Autoclave
- CIP¹
- SIP¹
- Ethylene oxide¹
- Hydrogen peroxide
- eBeam (25kGy)
- Gamma (25kGy)*

¹: the responsibility of the end-user to assess the risk

*Sterilization available prior shipment.

BIOCOMPATIBILITY

- USP 88 Class VI
- USP 87
- ISO 10993-4,5,6,10 & 11
- BfR XV
- EP 3.1.9
- FDA Standards 21 CFR 177.2600
- Extractables USP 665
- Leachables
- RoHS
- REACH (EC 1907/2006)

For complete validation guide, please contact your sales representative.

ADDITIONAL INFORMATION

- ADCF
- BPA free
- Nitrosamines free
- Melamine Free
- GMO Free
- TSE/BSE Free

Reference	ID (mm, inches)	OD (mm, inches)	Wall (mm, inches)	Working Pressure (Bar/PSI)	Burst Pressure at 20°C (Bar/PSI)	Pump Size
920085100082	0,8 (1/32)	2,4 (3/32)	0,8 (1/32)	-	-	-
920085100103	1,6 (1/16)	3,2 (1/8)	0,8 (1/32)	-	-	-
920085100105	1,6 (1/16)	4,8 (3/16)	1,6 (1/16)	-	-	14
920085100106	1,6 (1/16)	6,4 (1/4)	2,4 (3/32)	-	-	119
920085100204	2,4 (3/32)	4,0 (5/32)	0,8 (1/32)	-	-	-
920085100205	2,4 (3/32)	5,6 (7/32)	1,6 (1/16)	-	-	-
920085100305	3,2 (1/8)	4,8 (3/16)	0,8 (1/32)	-	-	-
920085100306	3,2 (1/8)	6,4 (1/4)	1,6 (1/16)	1 (14,8)	3,1 (45,1)	16
920085100308	3,2 (1/8)	7,9 (5/16)	2,4 (3/32)	-	-	120
920085100309	3,2 (1/8)	9,5 (3/8)	3,2 (1/8)	-	-	-
920085101408	3,6 (1/7)	7,8 (4/13)	2,1 (1/12)	-	-	-
920085100405	4,0 (5/32)	5,6 (7/32)	0,8 (1/32)	-	-	-
920085100407	4,0 (5/32)	7,1 (9/32)	1,6 (1/16)	-	-	-
920085100408	4,0 (5/32)	8,7 (11/32)	2,4 (3/32)	-	-	-
920085100506	4,8 (3/16)	6,4 (1/4)	0,8 (1/32)	-	-	-
920085100508	4,8 (3/16)	7,9 (5/16)	1,6 (1/16)	-	3 (25)	-
920085100509	4,8 (3/16)	9,5 (3/8)	2,4 (3/32)	-	-	15
920085100511	4,8 (3/16)	11,1 (7/16)	3,2 (1/8)	-	-	123
920085100608	6,4 (1/4)	7,9 (5/16)	0,8 (1/32)	-	-	-
920085100609	6,4 (1/4)	9,5 (3/8)	1,6 (1/16)	0,6 (8,2)	1,7 (24,5)	17
920085100611	6,4 (1/4)	11,1 (7/16)	2,4 (3/32)	0,8 (11,6)	2,5 (36,3)	24
920085100613	6,4 (1/4)	12,7 (1/2)	3,2 (1/8)	-	-	26
920085100811	7,9 (5/16)	11,1 (7/16)	1,6 (1/16)	-	-	18
920085100813	7,9 (5/16)	12,7 (1/2)	2,4 (3/32)	-	-	35
920085100814	7,9 (5/16)	14,3 (9/16)	3,2 (1/8)	-	-	-
920085100913	9,5 (3/8)	12,7 (1/2)	1,6 (1/16)	0,5 (7,1)	1,5 (21,4)	96
920085100914	9,5 (3/8)	14,3 (9/16)	2,4 (3/32)	-	-	73
920085100916	9,5 (3/8)	15,9 (5/8)	3,2 (1/8)	1,1 (15,2)	3,2 (45,5)	81
920085101114	11,1 (7/16)	14,3 (9/16)	1,6 (1/16)	-	-	-
920085101316	12,7 (1/2)	15,9 (5/8)	1,6 (1/16)	-	-	-
920085101317	12,7 (1/2)	17,5 (11/16)	2,4 (3/32)	-	-	-
920085101319	12,7 (1/2)	19,1 (3/4)	3,2 (1/8)	0,7 (10,1)	2,1 (30,2)	82
920085101322	12,7 (1/2)	22,2 (7/8)	4,8 (3/16)	-	-	88
920085101622	15,9 (5/8)	22,2 (7/8)	3,2 (1/8)	-	-	184
920085101925	19,1 (3/4)	25,4 (1)	3,2 (1/8)	0,4 (6,4)	1,3 (19,1)	-
920085101928	19,1 (3/4)	28,6 (1 1/8)	4,8 (3/16)	-	-	90
920085102532	25,4 (1)	31,8 (1 1/4)	3,2 (1/8)	-	-	-
920085102535	25,4 (1)	34,9 (-)	4,8 (3/16)	0,6 (8,2)	1,9 (27,6)	-
920085102538	25,4 (1)	38,1 (1 1/2)	6,4 (1/4)	-	-	-

Additional dimensions not included in the table may be available upon request. Please contact your designated sales representative for further information. This technical data sheet applies to all VENABIO® FLOW PUMPGRADE tubes with reference 9200851*.

CONTACT

