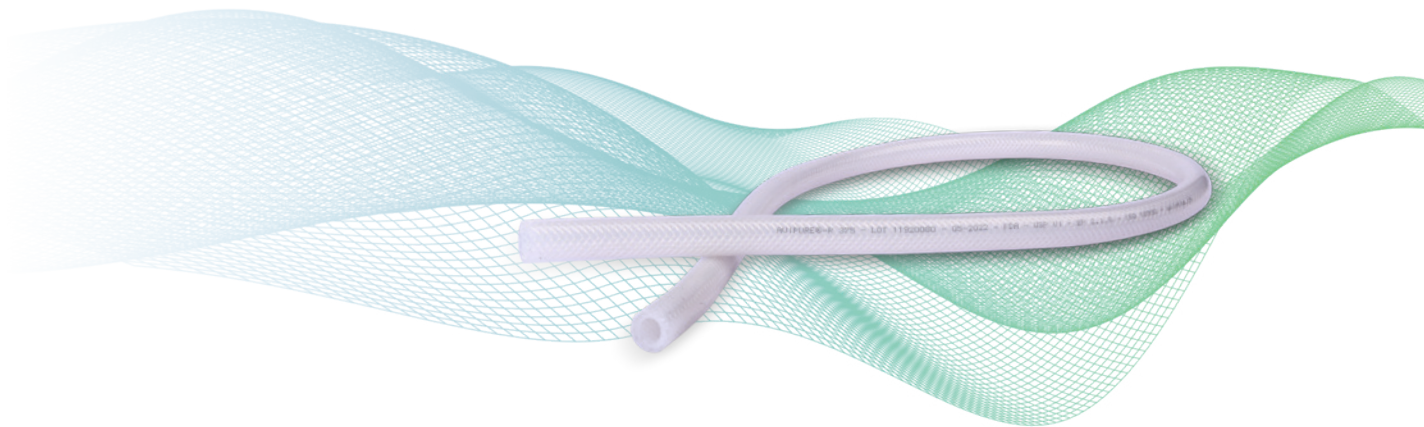


AVIPURE® - R

Highly resistant platinum cured silicone hose with braid reinforcement



PRODUCT INFORMATION

AVIPURE® - R is designed to facilitate pressurized fluid transfer in the biopharmaceutical manufacturing processes

AVIPURE® - R is a highly resistant platinum cured silicone hose with braid reinforcement and is available in 6 different dimensions. More sizes on request

FEATURES & BENEFITS

- Produced entirely in Cleanroom ISO class 7
- Low extractable profile and unique Validation Guide for AVIPURE® - R available
- **Platinum Cured Silicone:** Resistant against weak acids and bases, and extraordinary heat and cold resistance
- Same compound as AVIPURE® - C
- Printing of product information on the hose for perfect traceability
- Coils wrapped in double PE-bags
- **“Low-Tack” significantly reduced surface friction:** Easier handling with gloves
- **Certificate of Conformance:** Delivered with each order for traceability

APPLICATIONS

AVIPURE® - R is designed to be used in many pharmaceutical and biopharmaceutical applications where pressure resistance is required such as:

- Media and buffer processing
- Pressurized Liquid transfer
- Cell cultures
- Filtration
- For low-pressure application use AVIPURE® - C

FLEXIBILITY

AVIPURE® - R is available as non-sterile hose coils and can also be mounted and sterilized on any single-use assembly, also suitable for overmolded version. Fits perfectly to the reusable hose connection AVILOC®.





TECHNICAL DATA

SPECIFICATIONS:

- Colour:** Natural silicone with braided yarn
- Material:** Platinum cured silicone
- Shore A hardness:** 60 ± 5
- Temperature range:** from -20 °C to +135 °C
- Tear strength:** > 8.0 MPa
- Elongation at break:** > 500%
- Printing:** Physiologically inert ink
- Yarn Material:** Polyester
- Sterilization:** Gamma irradiation (Dose: 50 kGy), Autoclave, SIP
- Hose coils packaging:** Primary and secondary PE bag
- Shelf life:** 5 years

AVIPURE® - R IS TESTED FOR COMPLIANCE TO:

- FDA 21 CFR 177.2600
- E.P. 3.1.9
- USP <87>: Biological reactivity tests, in-vitro (equivalent to ISO10993-5)
- USP <88>: Class VI Implant test, systemic toxicity tests and intracutaneous tests
- USP <85>: LAL endotoxine test
- Hemolysis test according to ISO 10993-4
- LAL endotoxine test according to E.P. 2.6.14
- Animal derived component free
- REACH

TYPE	ID X AD DIMENSIONS	WALL THICKNESS	RECOMMENDED WORKING PRESSURE AT 20°C	MINIMUM BURST PRESSURE AT 20°C	MINIMUM BEND RADIUS	HOSE COIL LENGTH	ARTICLE-NUMBER
AVIPURE®	MM	MM	BAR	BAR	MM	M	
R 125	3.2 × 9.0	2.95	17.0	40.0	28	15	407HSR0125-15
R 250	6.4 × 12.7	3.2	12.0	35.0	33	15	407HSR0250-15
R 375	9.6 × 15.9	3.2	12.0	30.0	51	15	407HSR0375-15
R 500	12.7 × 22.2	4.7	9.0	25.0	76	15	407HSR0500-15
R 750	19.1 × 28.6	4.7	6.0	15.0	102	15	407HSR0750-15
R 1000	25.4 × 34.9	4.7	4.0	11.0	150	15	407HSR1000-15

Other sizes on request

TYPE	ID X OD DIMENSIONS	WALL THICKNESS	RECOMMENDED WORKING PRESSURE AT 68°F	MINIMUM BURST PRESSURE AT 68°F	MINIMUM BEND RADIUS	HOSE COIL LENGTH	ARTICLE-NUMBER
AVIPURE®	INCH	INCH	PSI	PSI	INCH	FT	
R 125	0.125 × 0.355	0.116	250	580	1.1	49	407HSR0125-15
R 250	0.25 × 0.50	0.125	175	510	1.3	49	407HSR0250-15
R 375	0.375 × 0.625	0.125	170	440	2.0	49	407HSR0375-15
R 500	0.50 × 0.875	0.190	130	360	3.0	49	407HSR0500-15
R 750	0.75 × 1.125	0.190	90	220	4.0	49	407HSR0750-15
R 1000	1.0 × 1.38	0.190	60	160	6.0	49	407HSR1000-15

Other sizes on request

Remarks:

- Pressure limit rates can be limited by used end connections
- AVIPURE® - R reinforced Silicone Tubing is not intended for implantation and continuous steam applications

Technical contents are subject to change