

## Tubing Solutions

Repligen ProConnex® silicone tubing is specifically manufactured to meet the stringent physical and quality requirements of biopharmaceutical applications. Platinum Curing of all options occurs in a clean-room environment under control of an ISO compliant quality system. A unique lot number for each production batch provides full lot traceability from raw material to finished good.

- Platinum cured tubing in 50 and 65 durometer
- Spools of 25ft, 50ft and 100ft
- Custom sizes, lengths and packaging is available upon request
- Molding capabilities for custom applications

## Compliance Summary

Repligen meet or exceeds many industry standards. In addition to industry standards, Repligen provides complete lot traceability of materials, the usage of Animal Derived Component Free (ADCF), a Certificate of Conformance per lot, and manufacturing in an ISO 7 certified clean room (class 10,000). Additional qualifiers include:

- USDA and FDA 21 CFR 177.2600 regulation for contact with drugs and food (3A Sanitary Standards)
- USP Class VI (121°, 60 min), European Pharmacopoeia 3.1.9 (current version) and ISO 10993 (3, 5, 6, 10, 11)
- Biocompatibility testing, with all components passing
  - USP Biological reactivity tests, in Vivo (USP Class VI)
  - ISO 10933-6 Implantation test
  - ISO 10993-10 Intracutaneous reactivity test
  - ISO 10993-11 Systemic injection test

## Sterilization Methods

Autoclavable

Radiation Up to 5.0 Mrad (50 Kilogray)

NOTE: Sterilization by autoclave, X-ray, or gamma irradiation recommended. Repligen silicones should not be considered for continuous steam application.

WARNING: Do not use Repligen silicone hose in hot oil or acid applications.

## Characterizations

The bio-compatibility of Repligen platinum-cured silicone hose has been tested and complies with the parameters set forth in the following test protocols:

- USP XXIV (88) biological reactivity, in Vivo
  - Intracutaneous test
  - Systematic injection test
  - Implantation test
- USP XXIV (87) biological reactivity, in Vivo
  - L929 MEM elution
  - AGAR diffusion
- European Pharmacopoeia 3.1.9



[customerserviceUS@repligen.com](mailto:customerserviceUS@repligen.com) | 518-406-5276

DA\_002\_1202023

# Braid-Reinforced 65 Durometer Silicone Tubing

Data Sheet

Repligen ProConnex® braid-reinforced, platinum cured silicone is a flexible, high purity tubing developed specifically for higher pressure processes, and is manufactured with ultra high quality Repligen silicone. This tubing is compatible with Gamma, X-Ray, and Autoclave sterilization methods.

## Platinum-Cured Braid-Reinforced Silicone Hose

### Features and Benefits

- Meets USP Class VI and ISO 10993
- High pressure rating
- Ultra flexible
- Improved bend radius over wire-reinforced hose
- Available in 25ft and 50ft
- Lot number traceability

### Typical Applications

- Cell cultures
- Vessel or tank transfer
- Laboratory use
- Biopharma fluid transfer
- Single-use systems
- Tubing sets
- Filling operations

### Connections

- Sanitary, non-metallic fittings
- Adapter connections
- Overmold



## Part Numbers and Specifications

Part #	Length	Inner Diameter	Diameter	Wall Thickness	Operating Pressure (@ 20° C, 68° F)
R65R250-490F	50 ft	0.250 in	0.490 in	0.120 in	155 psi
R65R250-490H	100 ft	0.250 in	0.490 in	0.120 in	155 psi
R65R375-625F	50 ft	0.375 in	0.625 in	0.125 in	135 psi
R65R375-625H	100 ft	0.375 in	0.625 in	0.125 in	135 psi
R65R500-800F	50 ft	0.500 in	0.800 in	0.150 in	125 psi
R65R500-800H	100 ft	0.500 in	0.800 in	0.150 in	125 psi
R65R750-1125T	25 ft	0.750 in	1.125 in	0.188 in	90 psi
R65R750-1125F	50 ft	0.750 in	1.125 in	0.188 in	90 psi
R65R875-1235T	25 ft	0.875 in	1.235 in	0.180 in	75 psi
R65R875-1235F	50 ft	0.875 in	1.235 in	0.180 in	75 psi
R65R1000-1375T	25 ft	1.000 in	1.375 in	0.188 in	55 psi
R65R1000-1375F	50 ft	1.000 in	1.375 in	0.188 in	55 psi

[customerserviceUS@repligen.com](mailto:customerserviceUS@repligen.com) | 518-406-5276

DA\_002\_1202023

[repligen.com](https://repligen.com)

© 2023 Repligen Corporation. All rights reserved. The trademarks mentioned herein are the property of Repligen Corporation and/or its affiliate(s) or their respective owners.

 **REPLIGEN**

# 65 Durometer Clear Silicone Tubing

Data Sheet

Repligen ProConnex® 65 durometer, platinum cured silicone is a flexible, high purity tubing developed specifically for higher pressure processes, and is manufactured with ultra high quality Repligen silicone. This tubing is compatible with Gamma, X-Ray, and Autoclave sterilization methods.

## Platinum Silicone Hose

### Features and Benefits

- Meets USP Class VI and ISO 10993
- Ultra flexible
- Available in 25ft and 50ft
- Lot number traceability
- Custom sizing available upon request

### Typical Applications

- Cell cultures
- Vessel or tank transfer
- Laboratory use

### Connections

- Sanitary, non-metallic fittings
- Adapter connections
- Overmold



## Part Numbers and Specifications

Part # and (25/50/100)		Inner Diameter	Diameter	Wall Thickness	Operating Pressure (@ 20° C, 68° F)
R65C125-250F (50 ft)	R65C125-250H (100 ft)	0.125 in	0.250 in	0.062 in	33 psi
R65C250-437F (50 ft)	R65C250-437H (100 ft)	0.250 in	0.437 in	0.093 in	33 psi
R65C250-500F (50 ft)	R65C250-500H (100 ft)	0.250 in	0.500 in	0.125 in	33 psi
R65C375-625F (50 ft)	R65C375-625H (100 ft)	0.375 in	0.625 in	0.125 in	31 psi
R65C500-750F (50 ft)	R65C500-750H (100 ft)	0.500 in	0.750 in	0.125 in	25 psi
R65C750-100T (25 ft)	R65C750-100F (50 ft)	0.750 in	1.000 in	0.125 in	23psi
R65C750-1125T (25 ft)	R65C750-1125F (50 ft)	0.750 in	1.125 in	0.187 in	26 psi
R65C1000-1375T (25 ft)	R65C1000-1375F (50 ft)	1.000 in	1.375 in	0.187 in	21 psi

[customerserviceUS@repligen.com](mailto:customerserviceUS@repligen.com) | 518-406-5276

DA\_002\_1202023

[repligen.com](https://repligen.com)

© 2023 Repligen Corporation. All rights reserved. The trademarks mentioned herein are the property of Repligen Corporation and/or its affiliate(s) or their respective owners.



# 50 Durometer Clear Silicone Tubing

Data Sheet

Repligen ProConnex® 50 durometer, platinum cured silicone is a flexible, high purity tubing developed specifically for critical bioprocess applications, and is manufactured with ultra high quality Repligen silicone. This tubing is compatible with Gamma, X-Ray, and Autoclave sterilization methods.

## Platinum Silicone Hose

### Features and Benefits

- Meets USP Class VI and ISO 10993
- Ultra flexible
- Available in 25ft and 50ft
- Lot number traceability
- Custom sizing available upon request

### Typical Applications

- Cell cultures
- Vessel or tank transfer
- Laboratory use

### Connections

- Sanitary, non-metallic fittings
- Adapter connections
- Overmold



## Part Numbers and Specifications

Part # and (25/50/100)		Inner Diameter	Diameter	Wall Thickness	Operating Pressure (@ 20° C, 68° F)
R50C062-187F (50 ft)	R50C062-187H (100 ft)	0.062 in	0.187 in	0.062 in	24 psi
R50C125-250F (50 ft)	R50C125-250H (100 ft)	0.125 in	0.250 in	0.062 in	23 psi
R50C125-312F (50 ft)	R50C125-312H (100 ft)	0.125 in	0.312 in	0.093 in	30 psi
R50C187-312F (50 ft)	R50C187-312H (100 ft)	0.187 in	0.312 in	0.062 in	15 psi
R50C187-375F (50 ft)	R50C187-375H (100 ft)	0.187 in	0.375 in	0.093 in	22 psi
R50C250-375F (50 ft)	R50C250-375H (100 ft)	0.250 in	0.375 in	0.062 in	15 psi
R50C250-437F (50 ft)	R50C250-437H (100 ft)	0.250 in	0.437 in	0.093 in	19 psi
R50C250-500F (50 ft)	R50C250-500H (100 ft)	0.250 in	0.500 in	0.125 in	25 psi
R50C375-500F (50 ft)	R50C375-500H (100 ft)	0.375 in	0.500 in	0.062 in	10 psi
R50C375-562F (50 ft)	R50C375-562H (100 ft)	0.375 in	0.562 in	0.093 in	15 psi
R50C375-625F (50 ft)	R50C375-625H (100 ft)	0.375 in	0.625 in	0.125 in	17 psi
R50C500-750F (50 ft)	R50C500-750H (100 ft)	0.500 in	0.750 in	0.125 in	15 psi
R50C750-100T (50 ft)	R50C750-100F (100 ft)	0.750 in	1.000 in	0.125 in	11 psi
R50C750-1125T (25 ft)	R50C750-1125F (50 ft)	0.750 in	1.125 in	0.187 in	13 psi
R50C1000-1375T (25 ft)	R50C1000-1375F (50 ft)	1.000 in	1.375 in	0.187 in	12 psi

[customerserviceUS@repligen.com](mailto:customerserviceUS@repligen.com) | 518-406-5276

DA\_002\_1202023

[repligen.com](https://repligen.com)

© 2023 Repligen Corporation. All rights reserved. The trademarks mentioned herein are the property of Repligen Corporation and/or its affiliate(s) or their respective owners.

 **REPLIGEN**

# Pump Grade Clear Silicone Tubing for Peristaltic Applications

Data Sheet

Repligen ProConnex® pump grade, platinum cured silicone is a flexible, high purity tubing developed specifically for critical peristaltic pumping applications, and is manufactured with ultra high quality Repligen silicone. This tubing is compatible with Gamma, X-Ray, and Autoclave sterilization methods.

## Platinum Silicone Hose

### Features and Benefits

- Meets USP Class VI and ISO 10993
- Ultra flexible
- Available in 25ft and 50ft lengths
- Lot number traceability
- Custom sizing available upon request

### Typical Applications

- Cell cultures
- Vessel or tank transfer
- Laboratory use
- Peristaltic pumping

### Connections

- Sanitary, non-metallic fittings
- Adapter connections
- Overmold

## Part Numbers and Specifications

Part # and (25/50/100)		Inner Diameter	Diameter	Wall Thickness	Operating Pressure (@ 20° C, 68° F)
RP062-187F (50 ft)	RP062-187H (100 ft)	0.062 in	0.187 in	0.062 in	30 psi
RP125-250F (50 ft)	RP125-250H (100 ft)	0.125 in	0.250 in	0.062 in	26 psi
RP125-312F (50 ft)	RP125-312H (100 ft)	0.125 in	0.312 in	0.094 in	31 psi
RP062-187F (50 ft)	RP062-187H (100 ft)	0.062 in	0.187 in	0.062 in	30 psi
RP125-250F (50 ft)	RP125-250H (100 ft)	0.125 in	0.250 in	0.062 in	26 psi
RP125-312F (50 ft)	RP125-312H (100 ft)	0.125 in	0.312 in	0.094 in	31 psi
RP187-312F (50 ft)	RP187-312H (100 ft)	0.187 in	0.312 in	0.062 in	16 psi
RP187-375F (50 ft)	RP187-375H (100 ft)	0.187 in	0.375 in	0.094 in	24 psi
RP187-437F (50 ft)	RP187-437H (100 ft)	0.187 in	0.437 in	0.125 in	30 psi
RP250-375F (50 ft)	RP250-375H (100 ft)	0.250 in	0.375 in	0.062 in	15 psi
RP250-437F (50 ft)	RP250-437H (100 ft)	0.250 in	0.437 in	0.094 in	21 psi
RP250-500F (50 ft)	RP250-500H (100 ft)	0.250 in	0.500 in	0.125 in	26 psi
RP375-562F (50 ft)	RP375-562H (100 ft)	0.375 in	0.562 in	0.094 in	16 psi
RP375-625F (50 ft)	RP375-625H (100 ft)	0.375 in	0.625 in	0.125 in	19 psi
RP375-750F (50 ft)	RP375-750H (100 ft)	0.375 in	0.750 in	0.188 in	25 psi
RP500-750F (50 ft)	RP500-750H (100 ft)	0.500 in	0.750 in	0.125 in	15 psi
RP500-875F (50 ft)	RP500-875H (100 ft)	0.500 in	0.875 in	0.188 in	23 psi
RP750-1125T (25 ft)	RP750-1125F (50 ft)	0.750 in	1.125 in	0.188 in	17 psi
RP1000-1375T (25 ft)	RP1000-1375F (50 ft)	1.000 in	1.375 in	0.188 in	12 psi

customerserviceUS@repligen.com | 518-406-5276

DA\_002\_1202023

repligen.com

© 2023 Repligen Corporation. All rights reserved. The trademarks mentioned herein are the property of Repligen Corporation and/or its affiliate(s) or their respective owners.

