DEMAND PUREFLEX QUALITY

PLATINUM CURED SILICONE
HIGH PURITY HOSES AND FITTINGS

PureFlex®
AN ANDRONACO INDUSTRIES COMPANY
PLATINUM CURED

PureFlex high purity platinum cured silicone hose is manufactured from Biopharmaceutical grade elastomer meeting or exceeding Pharmacopeia USP 23 class VI, FDA 21CFR-177.2600, USDA and 3A criteria. Our hose is designed for maximum flexibility when utilized in fluid transfer, filling and moving in pharmaceutical and biotech manufacturing processes. PureFlex Silicone hose offers high tear resistance, will impart no taste or odor and its hydrophobic properties make it ideal for use in medical, semiconductor, cosmetics, food, beverage and dairy industries. PureFlex Silicone hose is available in PC65-B Polyester Braid reinforced and PC65-W wire reinforced with polyester or Nomex® braid reinforcement. Sizes range from 1/4” to 4” diameter with temperatures ranging from -75 °F (-60 °C) to 500 °F (260 °C).

PC65-W SERIES
WIRE REINFORCED

PureFlex PC65-W series hose has an ultra-smooth inside diameter core that is wrapped with Polyester braid reinforcement or Nomex® braid reinforcement and a S.S. wire, designed for maximum flexibility in high pressure and vacuum services.

APPLICATIONS
- Pharmaceutical and Biotechnological processes
- Ultra-pure liquid transfer
- Food and beverage transfer
- Bulk transfer
- Load cell applications
- Vacuum applications

FEATURES
- Available in 12 foot lengths
- -75 °F (-60 °C) to 500 °F (260 °C) temperature range
- Excellent flexibility
- No organic plasticizers, phthalates or latex additives
- Imparts no taste or odor
- Non-wettable (hydrophobic)
- Sterilizable & Autoclavable

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal ID (in)</th>
<th>Nominal OD (in)</th>
<th>Working Pressure PSI</th>
<th>Burst Pressure PSI</th>
<th>Min. Bend Radius (in)</th>
<th>Vacuum Rating (in.hg)</th>
<th>Weight lbs/ft</th>
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</thead>
<tbody>
<tr>
<td>PC65-W-0500</td>
<td>.50 (12.7)</td>
<td>.86 (21.8)</td>
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Pressure and vacuum ratings based @ 70°F (21 °C)
Burst pressure will decrease 10% for each 200 °F (37 °C) increase
**PC65-B SERIES**

**POLYESTER BRAID REINFORCED**

PureFlex PC65-B series hose incorporates strong polyester braid between extrusions of platinum cured silicone. PB65-B is super flexible and can handle much higher pressures than non-reinforced silicone tubing.

### APPLICATIONS
- Pharmaceutical and Biotechnological processes
- Ultra-pure liquid transfer
- Cell cultures
- Food and beverage transfer
- Dairy applications
- Bulk transfer
- Load cell applications
- Pump applications

### FEATURES
- Available in 33 or 64 foot lengths
- -75°F (-60 °C) to 350°F (177 °C) temperature range
- Excellent flexibility
- No organic plasticizers, phthalates or latex additives
- Imparts no taste or odor
- Non-wettable (hydrophobic)
- Sterilizable & Autoclavable

### Table

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal ID (in)</th>
<th>Nominal OD (mm)</th>
<th>Working Pressure PSI</th>
<th>Burst Pressure PSI</th>
<th>Min. Bend Radius (in)</th>
<th>Weight lbs/ft</th>
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<tbody>
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<td>102</td>
<td>6.29</td>
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</tbody>
</table>

Pressure ratings based @ 70°F (21 °C)
Burst pressure will decrease 10% for each 200°F (37 °C) increase

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**CLEANING & STERILIZATION**

IT IS THE END USER’S RESPONSIBILITY TO COMPLETE THE CLEANING AND STERILIZATION VALIDATION PROCESS. TESTING SHOULD BE CONDUCTED BY THE END USER IF STERILIZATION CONDITIONS VARY AND IF MINOR PHYSICAL PROPERTY CHANGES OF TUBING COULD AFFECT PROCESS PERFORMANCE. IT IS THE END USER’S RESPONSIBILITY TO ENSURE THAT PUREFLEX HOSE PRODUCTS ARE SAFE, EFFECTIVE AND SATISFACTORY FOR ANY INTENDED USE.

**CLEANING**

Silicone hoses can be cleaned with hot water and mild surgical soap. Synthetic detergents or oil based soaps should not be used as they may be absorbed and subsequently leach out into the process fluid. Rinse thoroughly in running purified (distilled) water. Autoclave before interior becomes dry.

**ETHYLENE OXIDE STERILIZATION**

Silicone hoses can withstand sterilization with Ethylene Oxide with no degradation of physical properties. It is recommended only if qualified by the end user for normal ETO cycles, and complete aeration and outgassing times have been set.

**GAMMA RADIATION STERILIZATION**

Silicone hose can withstand gamma radiation within the end user’s qualified levels up to 2.5 Mrad (25Kgy). Repeated cycles or higher doses may change some physical properties; such as increase in durometer and tensile modulus, and potential slight decrease in tear strength and elongation.
Fittings and Materials

PureFlex manufactures more of its own product than any other company in this industry. Our fitting and collar selection is unequaled and offers more choices to meet your most demanding application.

FITTINGS

PureFlex fittings and collars are designed specifically for Silicone and Fluoropolymer hoses. Combining bio-pharmaceutical and aerospace quality standards, that provide a minimum interior surface finish of 15 Ra on all sanitary fittings. Other surface finishes available upon request.

SANITARY

MATERIALS

PureFlex offers a wide range of fitting materials which include 316 S.S., 304 S.S., Monel®, Hastelloy®, Titanium, solid Kynar® (PVDF), solid polypropylene, PFA encapsulated 316 S.S. or carbon steel. Other materials available upon request.

All fitting styles may not be available for all hose types.

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