Replace inconsistent and leak-prone cable ties and traditional clamps

When it comes to retaining flexible tubing and hose onto barbed fittings, the BarbLock® retainer is the most advanced product currently available. BarbLock is the only retainer with a full 360° radial crimp behind the barb and 360° of compression directly over the barb’s ridge, a design that solves inherent leak path problems in demanding fluid transfer applications.

BarbLock retainers are constructed from high-performance polypropylene and PVDF resins that are compliant with USP Class VI requirements. They require no adhesives or solvents — making them particularly well suited to systems that handle sensitive liquids and gases.

Leak-free Connections

The system is quick and easy to assemble. BarbLock retainers are fully compatible with Pure-Fit® SIB® fittings and provide complete 360° compression for leak-free connections.

Sterilization Methods

PP (polypropylene) and PVDF (polyvinylidene fluoride) BarbLocks are gamma stable.

Features/Benefits

- Compatible with all flexible tubing materials
- Full 360° radial crimp behind the barb
- 360° compression directly on the barb’s ridge
- Eliminates solvent bonding, ultraviolet bonding and toxic adhesives
- Manufactured from resins that are compliant with USP Class VI requirements
- Custom color and identification options available
- Quick and easy to assemble

Typical Applications

- Biopharmaceutical transport systems
- Flexible tubing and hose retainers
- Disposable assemblies
- Dialysis equipment
- IV assemblies
Types of BarbLock® Tubing Retainers

- **Standard two-piece retainer**
  The standard BarbLock® retainer is a two-piece unit consisting of a sleeve and collet.

- **AL series one-piece retainer**
  The AL series retainer combines the sleeve and collet into a single unit, eliminating one assembly step while potentially reducing assembly errors.

How BarbLock® Works

1. **Standard**: Load sleeve and collet, leading with ends marked “Top”
   - **AL Series**: Load one piece retainer leading with collet end of unit
2. Install barbed Pure-Fit SIB fitting
3. **Standard**: a.) Move collet to base of tube  b.) Lower sleeve over collet to pre-locked position
   - **AL Series**: Move one-piece retainer to pre-locked position
4. Lock assembly with BarbLock tool

BarbLock Tubing Retainer Typical Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Polypropylene</th>
<th>PVDF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength psi (MPa)</td>
<td>4750 (32.8)</td>
<td>6,300 (43.3)</td>
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<tr>
<td>Flexible Modulus psi (MPa)</td>
<td>153,000 (1050)</td>
<td>290,000 (2,000.0)</td>
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<tr>
<td>Hardness (Shore D)</td>
<td>93 (ASTM D785)</td>
<td>78 (ASTM D648)</td>
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<tr>
<td>Heat Deflection °F (“C) @66psi</td>
<td>167 (75.1)</td>
<td>266 (130)</td>
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<tr>
<td>°F (“C) @264psi</td>
<td>–</td>
<td>221 (105)</td>
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<tr>
<td>Water Absorption (%)</td>
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<td>0.03</td>
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BarbLock vs. Cable Tie
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<tr>
<th>TUBING OD</th>
<th>TUBING ID (REF.)</th>
<th>PP PART NUMBER</th>
<th>PVDF PART NUMBER</th>
<th>BARBLOCK JAWS (Add -360 for 360 Jaws)</th>
<th>HH PAD JAW SET</th>
<th>HAND TOOLS</th>
<th>PLASTIC TOOLS</th>
<th>REMOVAL TOOLS</th>
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1 Value Plastics 1/16" Barb
2 Retainer for 1/16" Pure-Fit SIB Barb
3 Value Plastics 1/8" Barb
4 Retainer for 1/8" Pure-Fit SIB Barb
5 Pure-Fit 125 Series Fittings
6 Retainer for 3/16" Pure-Fit SIB Barb
7 Retainer for 1/4" Pure-Fit SIB Barb
8 For CPC and PendoTech Fittings
9 Retainer for 5/16" Pure-Fit SIB Barb
10 Retainer for 3/8" Pure-Fit SIB Barb
11 For Lay-Flat Hose
12 For Compression on Barbless Fittings
13 For Use with 3/8" x 5/8" Tubing on a 9/16" Barb
14 Retainer for 3/4" Pure-Fit SIB Barb
BarbLock® Tool List

BarbLock Hand Tools for low volume assembly jobs
- PVDF and steel hand assembly tools*
- Steel removal tools*
* Tools shown may also have black finish instead of red.

BarbLock HH PAD Tool for ultimate assembly flexibility
- Quick change jaw design eliminates tools for jaw changeover
- Lightweight design allows for mobility and multiple position configurations
- Compressed air required
- Compatible with BarbLock and Pure-Fit SIB retainers and connectors

BarbLock PAD tool for additional assembly flexibility
- Compatible with standard jaw sets
- Compressed air required

BarbLock Tabletop Tools for large BarbLock sizes and high volume assembly
- Installs BarbLock sizes up to 1"
- Compatible with both standard and 360° jaw sets (see below)
- Available as both a standard tabletop and walkup tabletop (shown with 360° jaw sets)
- Compressed air required

BarbLock Jaw Sets for Tabletop Tools
- Stainless steel construction
- Available in both standard (left) and 360° (right) design versions

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