



BarbLock® —The Ultra-Secure Retainer

BarbLock® retainers are the most advanced design available for today's demanding connective applications. When it comes to retaining flexible tubing and hose onto barbed fittings, BarbLock® retainers are the only system with a full 360° radial crimp behind the barb and 360° of compression directly on the barb's ridge.

BarbLock® Characteristics

BarbLock® retainers have become the standard in many industries, including the biopharmaceutical, medical and laboratory markets, because they solve inherent leak path problems from sensitive and demanding applications. The retainers use no adhesives or solvents and are ideal for systems transferring delicate liquids or gases. The system is quick and easy to assemble saving valuable time.

BarbLock® Compatibility

BarbLock® retainers are constructed from a high performance polypropylene that meets USP Class VI criteria. BarbLock® retainers are also available in high-temperature materials for thermally demanding environments.

HEALTH CARE PRODUCTS

Advanced Sealing Technology Retainers for Connective Applications

Features/Benefits

- Replaces inconsistent and leak-prone cable ties and traditional clamps
- 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
- Constructed with USP Class VI materials
- Custom color and identification capabilities
- Quick and easy to assemble
- Dynamic retention and seal

Typical Applications

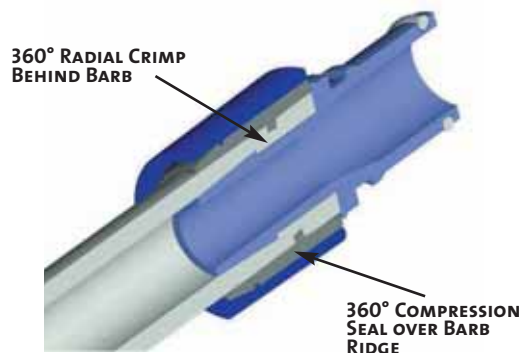
- Biopharmaceutical transport systems
- Flexible tubing and hose retainers
- Disposable assemblies
- Dialysis equipment
- IV assemblies
- Catheters and cardiovascular
- Quick connects



BarbLock® Stock Sizes and Compatibility

Catalogue Number	Hose/Tubing O.D. in. (mm)	Hose/Tubing I.D. in. (mm)	Barbed Fitting in. (mm)
125 SERIES			
BL135125	1/4" (6.4)	1/8" (3)	1/8" (3)
187 SERIES			
BL135187	5/16" (7.9)	3/16" (4.7)	3/16" (4.7)
250 SERIES			
BL135250	3/8" (9.5)	1/4" (6.4)	1/4" (6.4)
BL135251	7/16" (11)	1/4" (6.4)	1/4" (6.4)
BL135252	1/2" (13)	1/4" (6.4)	1/4" (6.4)
375 SERIES			
BL135374	9/16" (14.3)	3/8" (9.5)	3/8" (9.5)
BL135375	5/8" (16)	3/8" (9.5)	3/8" (9.5)
500 SERIES			
BL135500	3/4" (19)	1/2" (13)	1/2" (13)
BL135501	3/4" (19)	1/2" (13)	1/2" (13)
625 SERIES			
BL135625	7/8" (22)	5/8" (16)	5/8" (16)

Custom Availability: Colors/Logos/Brackets/Sizes



Typical Physical Properties

	Nominal Values	Test
MECHANICAL		
Tensile Strength @ Yield, psi (MPa)	4,800	ASTM D638
Tensile Strength @ Break, psi (MPa)	2,000	ASTM D638
Tensile Strength @ Yld	18%	ASTM D638
Tensile Strength @ Brk	46%	ASTM D638
Flexural Modulus, psi (MPa)	145,000	ASTM D790
IMPACT		
Notched Izod Impact @ 73°F (23°C)	1.10 ft-lb/in	ASTM D256
Unnotched Izod Impact @ 73°F (23°C)	No Break	ASTM D256
Unnotched Izod Impact @ 0.0°F (-18°C)	3.10 ft-lb/in	ASTM D256
Gander Impact 73°F (23°C), 0.1250 in	153 in-lb	ASTM D3029
HARDNESS		
Rockwell Hardness (R-Scale)	93.0	ASTM D785
THERMAL		
DTUL @ 66 psi – Unannealed	172°	ASTM D1003
OPTICAL		
Haze	9.0%	ASTM D1003

Easy Assembly Diagram



Single Retainer	Inherent Leak Path	360° Radial Crimp Behind the Barb	360° Compression Over Barb Ridge	Integral Component Design	Engineered Composite Construction
BarbLock™	No	Yes	Yes	Yes	Yes
Cable Tie	Yes	No	No	No	No
Hose Clamp	Yes	No	No	No	No
Ear Clamp	Yes	No	No	No	No

BarbLock® has been tested to 700 PSI/BarbLock® is engineered for each combination of hose and fittings.

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Patent Pending

BIOPHARMACEUTICAL PRODUCTS

Come through clean.™

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IMPORTANT: It is the user's responsibility to ensure the suitability and safety of Saint-Gobain Performance Plastics tubing for all intended uses. Laboratory and clinical tests must be conducted in accordance with applicable regulatory requirements in order to determine the safety and effectiveness for use of tubing in any particular application.

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