iPipe 67

ANAEROBIC INSTANT PIPE SEALANT

- *SEALS INSTANTLY*
- *AIDS ASSEMBLY*
- *PREVENTS GALLING*
- *PREVENTS GALVANIC CORROSION*

ADHESIVE R&D®'s anaerobic adhesives and sealants represent the latest generation in anaerobic chemistry. Anaerobic products remain liquid when they are exposed to the oxygen in air, but in the lack of air, (or anaerobic environment) these products quickly polymerize and fill the inner space between the surfaces. **iPipe 67™** is a highly engineered solution to assembling, sealing, and disassembling pipe fittings. It provides lubrication for assembly, and an instant seal on most NPT fittings. After full cure in 24 hours, it provides an impervious seal, and prevents loosening, as well as corrosion between the mated surfaces, even if they are dissimilar.

iPipe 67™ is a creamy medium strength pipe and hydraulic fitting sealant. It has excellent thread wetting capabilities, and its thixotropic nature keeps it in place until cured, filling the inner space, and providing reproducibility, and reliability. **iPipe 67™** packs a full cure system, works on all common materials including stainless steel, and delivers reliable seals at up 300°F.

PHYSICAL PROPERTIES

Composition	Anaerobic Methacrylate
Color	White
Viscosity	250,000-500,000 cps Thixotropic
Specific Weight	1.05
Flash Point	>100°F
Solvent Content	None
Shelf Life @ 72°F	1 year

CURING PROPERTIES

Functional Cure Time	2-4 hours
Full Cure	24 hours per ASTM 5363 Locking Torque*
Breakaway	50-60 inch lb's
Prevailing	25-35 inch lb's
Temperature Range	350°F
Locking Torque*	(At 300°F for 2 hours)
Breakaway	25-35 inch lb's
Prevailing	10-15 inch lb's

*Per ASTM D5363 Specification. 3/8-16 plain finish cap screws and nuts. Larger fasteners will increase surface area and breakaway torque.

ADHESIVE R&D

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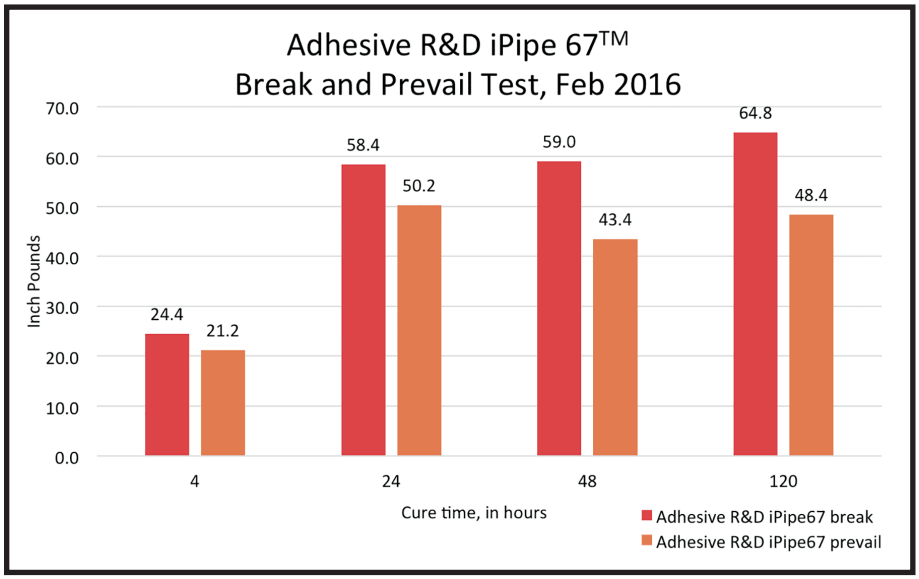
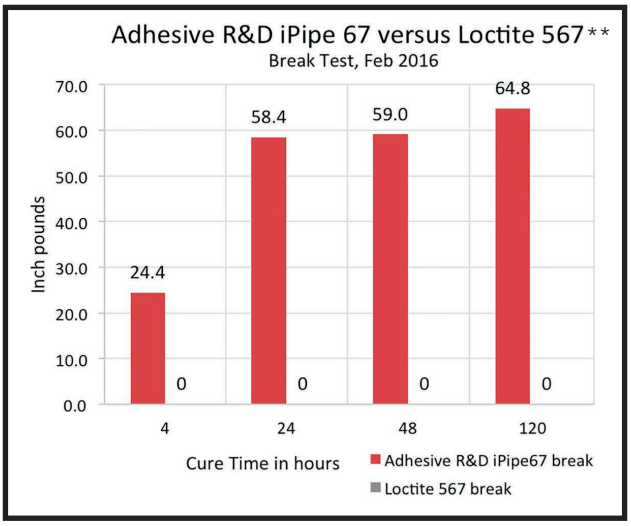
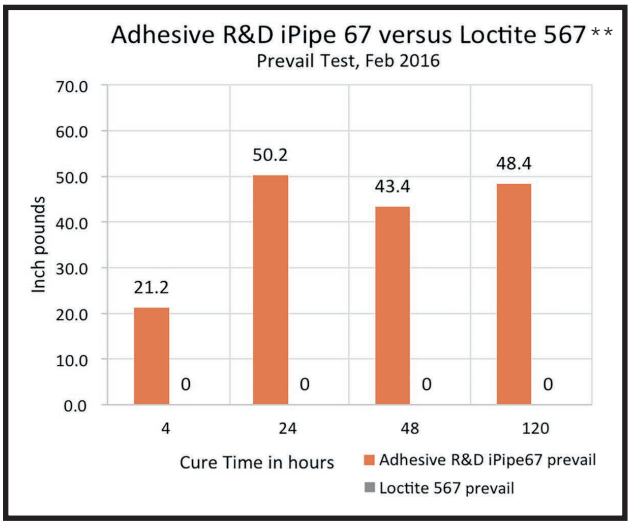
Since anaerobic adhesives and sealants cure, when they are in an oxygen free environment, it becomes more challenging to keep them stable over long periods of storage. This is especially true for very viscus materials such as pipe sealants. When anaerobic pipe sealants were first introduced into the market back in the early 1970's, a very simple cure system was used. Products would eventually polymerize, but it might take months. These products contain Teflon*, which when used on well made malleable steel and brass fittings, lubricates the threads and allows a tight seal.



With the introduction of modern alloys and advance material coatings, all with the desire to make surfaces more inert and resistant to corrosion, technology which was once cutting edge is now markedly dated. For these types of sealants to function properly in service, they need to be fully cured. Reduced quality of threaded parts caused by market competition, has increased the need for a different approach.





ADHESIVE R&D®'s iPipe 67™ contains an advanced stability and cure system, designed to positively bond and seal the most inert surfaces, delivering reliability even when using damaged, or poorly matched threads. The polymerized sealant helps protect the threads from galvanic corrosion, allowing for controlled strength disassembly.

*Teflon is a registered trademark of DuPont Corporation.
**Loctite® and 567® are registered trademarks of Henkel Corporation, a huge German conglomerate.

iPipe 67™ is manufactured in Eau Claire, WI