

# ADHESIVE



## **RubberMax** **iPipe 450™**

### **High Temperature** **Flexible Impact Resistant** **Fast Curing Pipe Sealant**

ADHESIVE R&D®'s anaerobic adhesives and sealants represent the latest generation in anaerobic chemistry.

**iPipe 450™** represents our newest flexible monomer system, and 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 hrs, it provides an impervious seal, and prevents loosening, as well as corrosion between the mated surfaces, even if they are dissimilar.

**iPipe 450™** is a creamy, medium to high strength, pipe and hydraulic fitting sealant. It has excellent thread wetting capabilities, and it's thixotropic nature keeps it in place until cured, filling the inner space, and providing reproducibility, and reliability. **iPipe 450™** works on all common materials including stainless steel. Delivering reliable seals at **450°F** was accomplished by designing and reacting our own high temperature polymer, and combining it with our Patent Pending RubberMAX technologies. Because it's 100% reactive, and bonded to both surfaces to be sealed, **iPipe 450™** is the high performance solution, to the most challenging sealing applications.

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

### Physical Properties

Composition Anaerobic Methacrylate  
Color ORANGE  
Viscosity >500,000 cps Thixotropic  
Specific Weight 1.05  
Flash Point >100°F  
Solvent Content None  
Shelf Life @ 72°F 2 years

### Curing Properties

Provides Instant Seal in Many Applications

24 hrs 100% of full cure strength

Functional Cure Time 1 hour  
Full Cure 48 hours

#### Locking Torque\*

Breakaway 200 inch lb's

Prevailing 150 inch lb's

Primed: Full Cure 12 minutes

Temperature 450F for 48hrs tested Hot

Breakaway 60-80 inch lb's

Prevail 100-120 inch lb's

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