

# 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**

We believe the information contained herein is current and accurate as of this date of this Technical Data Sheet. Since the use of this information and these opinions and the conditions of use of this product are not under the control of ADHESIVE R&D®, Inc. or its agents or distributors, it is the user's obligation to determine the conditions of safe use of this product. The buyer should conduct its own tests of this product before use to determine proper preparation technique and suitability for proposed application. ADHESIVE R&D®, Inc. warrants that the product conforms with ADHESIVE R&D®'s written specifications, and is free from defects and disclaims all other warranties, expressed or implied and is not responsible for loss claim of damages resulting from the use of its products.  
Rev 06/16