



www.antiseize.com

# AST-SEAL™ HD

## Anaerobic Pipe Sealants With PTFE

### Product Description

**AST-SEAL™ HD (Heavy Duty)** stainless steel grade is specifically made for stainless steel alloy fittings. Heavy Duty and faster curing than standard grade anaerobic, AST-SEAL HD withstands temperatures from -65° to +400°F (-54° to +204°C) continuous, +500°F (+260°C) intermittent.

**Anaerobic Sealing Compounds** will seal to 1,000 psi immediately after application and up to the burst rating of a typical pipe after curing. Due to its small particle size, these sealants will not clog small orifices, valve openings, or screens typically found in most hydraulic systems.

### Features & Benefits

- Superior to other anaerobic sealants
- Prevents vibration loosening
- Does not plug up filters, valves, or gauges
- Seals pipes including 3" and larger
- Lubricates and prevents corrosion, seizing, and galling
- Low locking strength provides for disassembly
- Easy adjustment up to 16 hours after assembly
- Not volatile or flammable
- AST-SEAL™ HD is UL Classified

### Applications include

Most Metal Threads, Particularly Steel and Brass. Ideal for Fittings, Pipes, Valves, Gauges, and Connections in Hydraulic, Pneumatic, Lubrication, Steam, and Refrigerant Systems. Inert to most Industrial Hazards and Hydrocarbons (Gasoline, Diesel Fuel, etc.), most Acids, Chemicals, Solvents, and Gases. AST-Seal HD is a faster curing version and is recommended for stainless steel, titanium, pure aluminum and certain plated fittings (e.g. cadmium or irriditte finish).

### Underwriters Laboratory

**AST-Seal HD** is classified by UL as to Fire Hazard only. Fire hazard is small. No flash point in liquid state. Ignition temperature 837°F (477°C). Suitable for use in devices handling gasoline, petroleum oils, natural gas (pressure no to exceed 300 psig), propane and butane.

### Typical Properties

Property	Value
Temperature Range	to 400°F (204°C)
Pressure Range	Up to 1,000 psi immediately after application - up to burst rate of typical pipe after curing
Flash Point	Over 200°F (93°C)
Specific Gravity	1.2 (g/cc)
Viscosity, typical	300,000 - 500,000 cps.
Color	White to off white
Consistency	Paste
Gap Filling	0.020 inches (0.510mm)
Speed of Cure-measured on cleaned black oxide bolts & steel nuts (3/8-16 UNC2)	Fixture Time - 2 hrs. Full Strength - 24 hrs.
Shelf Life	1 Year

### Cautions

This product is not recommended for use in an oxygen system and not as a sealant for chlorine or other strong oxidizing materials. Read all information on labels and Material Safety Data Sheets prior to use. All products should be tested and evaluated for a particular purpose prior to use.

### Product Limited Warranty

This information is based on information we believe to be reliable and accurate, but no guarantee of its accuracy is made for a particular application. We urge and recommend that Users pretest their application prior to incorporating the product into use and assume that the User will conduct such testing. Also see warranty statement on website.

#### Available In:

20ml bottle	50ml tube	250ml tube	350ml bt can	750ml can
22150	22151	22152	22154	22153

**ANTI-SEIZE TECHNOLOGY**

2345 N. 17th AVE. • FRANKLIN PARK, IL 60131-3432

847-455-2300 • [www.antiseize.com](http://www.antiseize.com)