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AST-SEAL™ STD

Anaerobic Pipe Sealant With PTFE

Product Description

AST-SEAL STD™ (Standard Grade) is an excellent general-purpose Anaerobic Pipe Thread sealant that provides an instant permanent seal to pipe threads. An Anaerobic Sealant cures in the absence of air and the presence of metal to form a solid polymer film sealing threads securely.

Anaerobic Pipe Thread Sealants are your best choice for high performance thread sealing, especially when a system has to be put back into service quickly and without leaks.

AST-SEAL STD™ 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.

Withstands temperatures from -65° to +300°F (-54° to +149°C) continuous, +375°F (+191°C) intermittent.

AST-SEAL STD™ is the ideal product for tough thread sealing applications that have to be put back into Service quickly and reliably.

If the Pipe Fitting has a wide gap fill or if the material is being applied in very cold temperatures where a full cure is still needed, then a primer may be required to ensure a full cure is achieved.

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
- No harmful solvents, low VOC's

Applications include

Most Metal Threads, Particularly Steel, aluminum and Brass. Ideal for Fittings, Pipes, Valves, Gauges, and Connections in Hydraulic, Pneumatic, Lubrication, Steam, and Refrigerant Systems. Inert to most Industrial Chemicals and Hydrocarbons (Gasoline, Diesel Fuel, etc.), Ethanol, most Acids, Chemicals, Solvents, and Gases.

For Stainless Steel use our AST-HD Anaerobic Pipe Sealant with PTFE.

Typical Properties

Property	Value
Temperature Range	-65°F to +375°F (-54° to +191°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	150,000 - 350,000 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
Primer	Primer N or T
RoHS	Compliant

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 Safety Data Sheets prior to use. All products should be tested and evaluated for a particular purpose prior to use. Not recommended for use on Plastic pipe without the use of a Primer.

GHS compliant

This product requires GHS pictograms on labels. Refer to Label and SDS for GHS information.

Storage

For best results and a longer shelf life, AST-SEAL STD should be stored at moderate Temperatures under 80 F. Do not return any unused material to the original container.

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 sizes:

Size: 20ml tube 50 ml tube 250 ml tube 350ml BT can
P/N: 22020 22050 22250 22350

Size: 750ml can., 10 Liter Pail
P/N: 22750 22010

BT=Brush Top