



AST-SEAL™ PH PNEUMATIC / HYDRAULIC SEALANT

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Product Description

AST-SEAL™ PH is a High Pressure Anaerobic Thread Sealant designed to seal Hydraulic and Pneumatic fittings up to 2” in diameter which operate under high pressure. It has higher strength than our AST-SEAL™ HYD and has been engineered to be highly resistant to hydraulic fluids with excellent resistance to other Industrial chemicals.

AST-SEAL™ PH Sealant does not contain any fillers or particles which could plug valves or screen in the hydraulic system and is safer to use than Thread Sealing Tapes.

AST-SEAL™ PH Sealant seals pressures up to 10,000 psi and ensures that your Hydraulic or Pneumatic fittings will not loosen or leak due to vibrations and provide a long trouble free service life.

AST-SEAL™ PH Sealant undergoes a chemical crosslinking process only in the presence of metal and the absence of air. This is typically referred to as “curing”. The Sealant begins to cure right after assembly and reaches full cure in about 24 hours depending upon temperatures. In Colder Climates it may require more time and in Warmer Climates, less time.

AST-SEAL™ PH works particularly well with softer more active metals such as brass, bronze, aluminum or steel. For Stainless Steel, Titanium, Alloys, plated fittings, fittings with 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.

Cleaning

This product work best if the parts are clean and free of grease, oil, foreign material or old Sealing Compounds. Normally cleaning with an appropriate solvent and / or wiring brushing the parts to ensure they are clean is adequate preparation.

Application

AST-SEAL™ PH Sealant is normally applied by hand from the bottle, directly to the part or assembly. We recommend that all of the engaged threads are coated with a thin film of the sealant before assembly.

Typical Properties

Property	Value
Color	Purple
Fixture Speed, no primer	4 Hours @ 76F
Fixture Speed with primer	< 30 Minutes
Full Cure Time	8 hr @ 70F
Pressure rating	Up to 10,000 psi
Fitting Size	Up to 2”
Viscosity	16000 cps
Max. Operating Temp.	-65F to 300 F
Primer	Primer N or T
RoHS	Compliant
Gap Fill	0.007”

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.

GHS compliant

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

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.

Storage and Shelf Life

For best results and a longer shelf life, Retaining Compounds should be stored at moderate Temperatures under 80 F. The shelf life is around 18 month if it is stored under these conditions. Storage at higher temperatures may shorten it shelf life or result is lower Prevailing Torque values.

Available In:

SIZE: 10 ml 50 ml 250 ml
P/N: 22544 22545 22546