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# AST-LOCK™ 35RC

## HIGH STRENGTH, HIGH VISCOSITY RETAINING COMPOUND

### Product Description

AST-LOCK™ 35RC is a High Viscosity, High Strength Retaining Compound which is designed for use on assemblies which have larger gaps between the parts. It will fill and seal gaps up to 0.015" which is considerably more than our other Retaining Compounds can fill. It may be used to lock shafts and hubs together on gear assemblies, for retaining bearings in their races, to hold bushings in place and many other applications requiring High Strength and are loose fitting. Retaining Compounds are not intended for use on Threaded Fasteners.

Retaining compounds fill the small voids between these parts to form a monolithic assembly with increased strength and rigidity. Because they fill and seal the voids in the assembly, they also act to prevent corrosion and seal any leak paths between the parts.

Retaining Compounds undergoes a chemical crosslinking only in the presence of metal and the absence of air. This is typically referred to as "curing". The Threadlocker 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-LOCK™ 35RC works particularly well with softer more active metals such as brass, bronze, aluminum or steel. For Stainless Steel, Titanium, and other more exotic metals or if the material is being applied in very cold temperatures where a full cure is still needed, then a primer may be needed to ensure a full cure is achieved.

AST-LOCK™ conforms to GM-1183024

### Cleaning

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

### Application

AST-LOCK™ 35RC is normally applied by hand from the bottle directly to the part or assembly. A coating is applied and the parts are assembled.

### 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.

### Typical Properties

Property	Value
Color	Green
Fixture Speed , no primer	10 -60 minutes @ 76F
Fixture Speed with primer	< 5 Minutes
Full Cure Time	24 hr @ 70F
Viscosity (thixotropic)	2000 to 1000 cps
Max. Operating Temp.	-65F to 300 F
Shear Strength	>4000 psi
Primer	Primer N or T
Gap Fill	0.015 "
Mil-R-46082B	Type III
ASTM 5363	AN0421
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.

### 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.

### Available In:

<b>SIZE:</b>	10 ml	50 ml	250 ml
<b>P/N:</b>	39351	39352	39353