

# SAF-T-LOK<sup>®</sup>

## RETAINING COMPOUND R42

TDS-R42

Technical Data Sheet

**GENERAL INFORMATION:** SAF-T-LOK anaerobic adhesive/sealants are a specialized series of single component, solvent free compounds that are individually formulated for locking, sealing, retaining and bonding metal parts and assemblies.

Stable in the presence of air, these products cure when placed between mating metal parts, forming a resilient, vibration-proof bonded seal. SAF-T-LOK adhesive/sealants provide the user with additional performance characteristics, including resistance to corrosion or galvanic attack, as well as solvent resistance; while allowing disassembly with normal tools, if necessary.

**PRODUCT DESCRIPTION:** SAF-T-LOK R42 is a medium-low viscosity, high shear strength retaining compound with performance temperature to 350°F. It was specifically developed for use on mating cylindrical surfaces such as bushings, bearings, gears, splines, and shafts and to augment the strength of press fits. SAF-T-LOK R42 will cure to full strength in 24 hours, but parts are fixture tight in 10 to 30 minutes depending upon gap. Even faster cure will occur with the use of SAF-T-LOK PRIMER or through heating to 200°F for 30 minutes.

### PRODUCT CHARACTERISTICS:

Color	Green
Specific Gravity	1.05 gm/cc
Viscosity	400 cps
Flash Point	>200° F
Temperature Range	-65°F to +350°F
Fluorescence	Visible
Storage Stability	+12 Months at <75°F

### PERFORMANCE CHARACTERISTICS:

Locking Shear	4000 psi
Gap Filling	.002 - .012 in
Fixture Tight	30 Minutes
Full Cure	24 Hours
Chemical Resistance	Excellent

**IMPORTANT NOTICE:** All statements and technical data contained herein are based on tests we believe to be reliable, but the accuracy of completeness thereof is not guaranteed. It is recommended that the buyer test this product to determine its suitability for his application before use. SAF-T-LOK Corporation is not responsible for loss, claim or damages resulting from use of its products.