

SAF-T-LOK®

RETAINING COMPOUND 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 two 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 desired.

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.

PHYSICAL PROPERTIES:

Color	- Uncured – Green
Specific Gravity	1.05 gm/cc
Viscosity	400 - 600 cps
Flash Point	>205°F
Temperature Range	-65°F to 350°F
Storage Stability	+12 Months @ <75°F

PERFORMANCE CHARACTERISTICS:

Locking Shear	- Cured – 4000 psi.
Gap Filling	.002 to .012 in.
Fixture Tight	30 Minutes
Full Cure	24 Hr.
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** International Corporation is not responsible for loss, claim or damages resulting from use of its products.