

SAF-T-LOK®

Polymeric Flange Sealant - PFS 51

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 polymer shim. *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 PFS 51* conforms to the surface imperfections and tool marks on flanged surfaces, thus allowing a metal-to-metal fit of the parts and eliminating the need to retorque compressible mechanical gaskets. This improves the sealing integrity of the joint. The rheology of *SAF-T-LOK Polymeric Flange Sealant* facilitates screening or pressure feed for robotic application. *PFS 51* is designed for light threadlocking on coarse threads as well as for gasketing. The relatively low bond strength permits convenient field disassembly. While uncured product is compatible with fuels, solvents, hydraulic fluids, and oils, cured joints are chemically resistant.

PRODUCT CHARACTERISTICS: (Paste)

Color	Red
Specific Gravity	1.09 gm/cc
Viscosity	1,000,000 cps
Flash Point	>250° F
Temperature Range	-65°F to +400°F
Fluorescence	Visible
Storage Stability	+ 12 Months at <75°F

PERFORMANCE CHARACTERISTICS: (Cured)

Locking Shear	2,500 psi
Cure Speed	
Without Primer	24 Hours
With Primer	45 Minutes
Gap Filling	.001 - .020 in.
Locking Torque(3/8-16 Class 2 fit)	
Breakaway	100 in. lb
Hot Strength(400°F/2Hr)	45 in.lb
Heat Aging(400°F/2Hr)	100 in.lb
Instant Sealing	<100 psig on NPT piping
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.