NYLOG™ GASKET, THREAD SEALANT and ASSEMBLY LUBE

A viscoelastic liquid derived from refrigeration grade lubricants. A strong, flexible, lubricative glaze that prevents high pressure leakage.

Applications :

- **45° Flare Fittings :** Both faces of the flare as well as the threaded connectors are coated. Primary attention is given to the flare face. The majority of NYLOG™ is pushed out of the flare boundary but not completely expelled. Helium leak testing of 45° flares threated in this manner were tighter than flares coated with pipe dopes, resin adhesive, anaerobes, silicone, or a dry connection. **NOTE : Never use Teflon tape on a 45° flare**.
- **Tapered Pipe :** Since pipe threads are never cut to the same tolerance we recommend using NYLOG™ over and under Teflon tape for a superior high pressure seal;
- **Gaskets :** The NYLOG™ oil is absorbed into the gasket. Gaskets treated with NYLOG™ rarely dry or become heat fixed to the metal.
- **O-Rings :** Connections having a rubber or plastic ring gasket usually leak due to over- tightening. The use of NYLOG™ as the “seating compound” offers sealing at low torque levels. Excellent for Automotive AC connections.
- **Compression Fittings :** The sealant mechanism is similar to a 45° flare connection but with less surface area. Pre coating with NYLOG™ aids in the alignment of the ferrule and tubing. Applying concentric torque with a tubing wrench, rather than the use of an opened end or crescent is strongly advised.
- **Saddle Taps :** Pre-clean the tubing with fine sandpaper to remove oxidation and lateral extrusion marks. Coat piercing mechanism, tubing and valve arch with NYLOG™ for a sandwiched seal.

Features :

- **Composition :** Derives from synthetic refrigeration oil (C-H-O) n + x > 1.000;
- **Miscibility :** The NYLOG™ sealant is fully miscible in POE PolyOlEster oil or PAG PolyAlkyleneGlycol oil and has good stability in both MO Mineral Oils and AB AlkylBenzene oils;
- **Compatibility :** The NYLOG™ passed the sealed tube test in mixtures of POE Poly Ol Ester, PAG Poly Alkylene Glycol, MO Mineral and AB Alkyl Benzene oils;
- **Chemical/Physical Characteristics :** NYLOG™ provides high tack lubrication to any substrate, never hardens and always remains temperature and vibration resistent. Slight petroleum odor and color, water resistant, non contaminating, can occur low level moisture absorption from prolong exposure to atmosphere;
- **Safety / Handling :** No significant hazards associated with expected conditions of use. NON TOXIC. Keep out of reach of children.

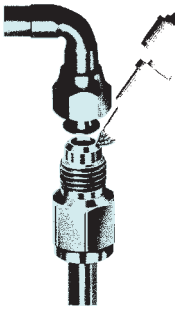
Specifications :

Recommendations : HFC and also in cross blends of CFC and HCFC refrigerants;
Working Temperature : -40° ÷ 350° F. (-40° ÷ 175° C.);
Boiling Point : 600° F. (315° C.) with depolymerization occurring at 370° F. (188° C.);
Flash Point : 340° F. (171° C.) COC;
Viscosity : (100 ÷ 110 cPs);
Specific Gravity : 0,901;
Vapor Pressure : Less than (1 mm.) ;
Volatile Characteristics : Negligible.

Assembly Lubricant :

Since NYLOG™ is a Refrigeration fluid (oil), all sealed system parts can be pre-lubricated. Typical uses include coating of pistons, cylinders, rods, rings and valves. Will not contaminate, restrict or cause any system failure. Refrigerant leakage is greatly reduced when shaft seals are coated with NYLOG™. Coated Schrader Valve Cores do not leak and their depressors remain lubricated. Pre-lubed solenoids, actuators, unloaders or ball valves are prevented from binding. Typically, one drop of NYLOG™ can be stretched about three feet before breaking.

PRECAUTIONS : DO NOT combine or use NYLOG™ with oxygen or strong oxidizers. DO NOT use on oxygen systems. Keep away from open flame and extreme heat.



Both faces of the flare

RT201B

Model	Description
RT201B	NYLOG™ **MO** Mineral Oil, **AB** AlkylBenzene oils, **POE** PolyOlEster oils, and **PAG** Poly Alkylene Glycol oils. **1oz**. (30 ml.) in twist open/close tube.

Leak Lock® RESIN BASED THREAD SEALANT

Is a high strength, pipe joint sealant consisting of chemically resistant film formers, plasticers, reinforcing fillers and solvents. Resin based adheres to internal surfaces, fills voids while forming a flexible fluid tight seal. Prevents loosening of nuts, bolts, plugs and fittings. *Leak Lock*® seals most chemicals including all CFC, HCFC, HFC refrigerants : R-11, R-12, R-13, R-13bl, R-21, R-22, R-23, R-30, R-40, R-113, R-114, R-123, R-124, **R-134a**, R-236fa, R-290 (Propane), R-401a (Suva® MP39), R-401b (Suva® MP66), R-401c (Suva® MP52), R-402a (Suva® HP80), R-402b (Suva® HP81), R-403a (Isceon® 69-S), R-403b (Isceon® 69-L), **R-404a** (Suva® HP62, Forane® FX70), R-406a, R-407a (Klea® 60), R-407b (Klea® 61), **R-407c** (Suva® 9000, Klea® 66), R-408a (Forane® FX10), R-409a (Forane® FX56), R-409b (Forane® FX57), **R-410a** (Suva® 9100, AZ-20, Puron®), **R-422a** (Isceon® MO79), **R-422b** (NU22B™), **R-422c**, **R-422d** (Isceon® MO29), R-427 (Forane® FX100), R-500, R-502, R-503, **R-507** (Genetron® AZ-50), R-508b (Suva® 95), R-717 (Ammonia), R-744 (Carbon Dioxide), R-764 (Sulfur Dioxide), HFO **R-1234yf**, petroleum products, gases, steam, etc.

Applications :

- Use on all metal or plastic materials, including but not limited to, aluminum, aluminum alloys, cast irons, copper, copper alloys, (brass, bronze,...), magnesium and magnesium alloys, carbon steels, stainless steels, galvanized surfaces, PVC, CPVC, ABS, fiberglass, black polypropylene, and kynar;
- Threaded joints, flanged joints, gasket surfaces and all mating surfaces where a fluid-tight seal is required;
- *Leak Lock*® thread sealant is ideal for joining dissimilar metals and materials;

Features :

- Compatible with MO Mineral Oils, AB AlkylBenzene oils, PAG Poly Alkylene Glycol oils, POE PolyOlEster oils (sintetic), and .

Specifications :

Pressure : 0,0002 ÷ 10.000 Psi (0,00001 ÷ 693 Bar);
Working Temperature : -200° ÷ 400° F. (-93° ÷ 204° C.);
Viscosity : 25 ÷ 100 cPs;
Consistency : Flowable paste;
Colour : Light Blue;
Solvent : Ethanol or Isopropanol;
Toxicity : Non Toxic;
Shelf Life : indefinite when kept sealed.

CLL-1

Model	Description
CLL-1	*Leak Lock*® Thread Joint Sealer. **1-1/3 oz**. (39 ml.) **tube**.

LOCTITE® ADHESIVE / SEALANT

For refrigerant sealing. Eliminates fastener loosening, leakage, and corrosion. Curing between thread flanks. Loctite® withstands corrosive liquids used in metal finishings and process industries, offers sealing with maximum solvent resistance to the action of refrigerant R-11, R-12, R-22, R-717 (Ammonia) and SO_2 Sulfur Dioxide.

Applications :

- Ideal for air conditioning, refrigeration, and process equipment using corrosive chemicals;
- For refrigerant sealing, for locking studs, bolts...for retaining bearings, bushings, gears, sleeves.

CAS-2712

Model	Description
CAS-2712	*LOCTITE*® Adhesive / Sealant for refrigerants R-11, R-12, R-22, R-500, R-502, R-717 (Ammonia)... **0,34 oz**. (10 ml.).

TEFLON® THREAD SEAL TAPE

Made of pure white Teflon. Non-toxic.

- Use with chemicals, solvents, oxygen and on food lines.
- Meets / exceeds performance Standard MIL T-27 730A.

Specifications :

Working Pressure : <2.000 Psi (<138 Bar).

TST-260

Model	Description
TST-260	Teflon® Thread Seal Tape. **2-1/2" x 260"** (12,7 mm. x 6,6 m.) White.
TST-520	**2-1/2" x 520"** (12,7 mm. x 13,2 m.) White.

HEAT-SEAL STIK® EPOXY SEALER

Stick melts, seals and cures in one operation. Fast, repairs completed in 90 seconds. One part epoxy, no mixing or measuring needed.

Applications :

- Use on aluminum, copper and other metals, glass, and ceramics;
- Ideal on high and low side of refrigeration systems;
- Compatible with all refrigerants CFC, HCFC, HFC, including R-717 (Ammonia), SO_2, Combustible Gas, Gas, Oils, Compressed Air, Steam, Water....

Specifications :

Working Pressures: to 450 Psi (31 Bar);
Sealing temperature: up to 350° F. (177° C.).

HSS-38

Model	Description
HSS-38	HEAT-SEAL STIK® Epoxy Sealer **3/8 oz**. (11,7 gr.) **stick**.

GEOCEL® CAULKING SEALANT

Exceptional bonding and sealing caulk for interior and exterior applications involving seams, joints, ductwork, flashing and any similar use. Excellent adhesion to virtually any surface (metals, fiberglass, wood, concrete, brick and most plastics) even if moisture is present. Resealable, paintable, flexible.Will not crack, chip or peel.
Specially formulated for the HVACR Heating, Ventilation, Air Conditioning, and Refrigeration industry. “Brush Grade” Geocel is a thinner viscosity co-polymer sealant which may be applied with a brush to form a flexible, waterproof seal/coating for roofs, walls, ducts, drain pans and other related applications.

GCS-11

Model	Description
GCS-11	GEOCEL® Caulking Sealant **11 oz**. (325 ml.) cartridge - Clear.

SILICONE SEALANT

Food grade 100% RTV Silicone Sealant. Can be used in applications for continuous use -51° to 232° C. (-60° to 450° F.).

- UV and water resistant;
- Long-term flexibility;
- Non-paintable;
- Available in 10.3 oz. tube for use in standard caulk gun.

SS-10

Model	Description
SS-10	Silicone sealant **10,3 oz**. (305 ml.) **tube** - Clear.

PRO-AIR DUCT SEALANT - UL181 AM-BM Listed

For use on metal heating, ventilating, and air conditioning duct systems; as well as fiberglass duct board systems and flex duct systems.

- Water-based fiber-reinforced duct sealant / mastic formulated for indoor/outdoor use;
- Recommended for use in Low, Medium and High pressure HVAC ducts systems to 254 mm. H_2O (10” water column) without the need for fiberglass mesh reinforcement.;
- Excellent Adhesion;
- Meets U.L. Underwriters Laboratories Caulking and Sealants 20NF Class 1, UL 181 A-M and UL 181 B-M round ducts rating and local codes while featuring long term flexibility and strength;
- Meets SMACNA Specifications Sealing and Pressure Classes.

Temperature : -40° to +93,3° C. (-40° to 200° F.);
Flame Spread : 5;
Smoke Developed : 0.

WBDSM-10

Model	Description
WBDSM-10	Water Based Duct Sealant Mastic. 1/10 Gal. (**310 ml**.) Tube.