

Full Density Thread Seal Tape

Multi-Purpose – Oxygen Tested – Cryogenic Tape – Gas – FDA Approved

Product Description

LOX-8 Full Density Thread Seal Tape is a multi-purpose and oxygen-approved tape suitable for all situations, including cryogenic assemblies. May be used alone or with Fluoramics' pipe sealants. Available in green, yellow (gas), and white (FDA approved).

Features

- Full Density, minimal usage, repeatable results
- Service temperature range -240°C (-400°F) to +287°C (+550°F)
- Oxygen tested and approved
- Produced from 100% U.S.-made resin
- MIL-T-27730A, A-A-58092, FDA 21 CFR 177.1550
- No intentionally added PFOA or PFOS



Benefits

- High-pressure applications
- Anti-galling
- Anti-seizing
- Seals all sizes and types of threaded joints
- Silicone-free
- VOC-free
- Non-toxic, non-hazardous, approved for food service areas

Applications

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| <ul style="list-style-type: none"> ▪ Natural gas applications ▪ Cryogenic applications ▪ Welding and industrial gases ▪ Gasoline, diesel, kerosene fuel systems ▪ Chlorine (liquid and gaseous) and powerful oxidizers ▪ Chemical processing ▪ Paint systems | <ul style="list-style-type: none"> ▪ Potable water/food (white tape) ▪ Oxygen systems (liquid and gaseous) (green tape) ▪ Valves in bottled gases ▪ Water and wastewater processing ▪ Ammonia and freon refrigeration service | <ul style="list-style-type: none"> ▪ Wafer fab ▪ Offshore drilling rigs ▪ Coal power plants ▪ Oil-based systems ▪ Aerospace ▪ Medical and nuclear |
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Health and Safety

LOX-8 Full Density Thread Seal Tape is a very safe, solvent-free product with no intentionally-added PFOA/PFOS. Non-hazardous under the consumer product safety regulations OSHA 29 CFR 1910.1200 and WHMIS. See Safety Data Sheet for additional information.

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Storage, Shipping and Handling

Always keep unused products in the original container. DOT-classified as non-hazardous, can be shipped by ground & air with no restrictions. See Safety Data Sheet for additional information.

Specifications and Approvals

Test/Specification	Rating
Appearance	Light green, yellow, or white
Texture	Tape: smooth
Relative Thickness	0.0035" (0.0889 mm)
Relative Density	1.4 g/cm ³
Chemically Inert	Yes
Non-Toxic	Yes
Flammability	Non-flammable
Flash Point	None
VOC Content	0%

Test/Specification	Rating
Oxygen Tested ASTM G72 (2015) High Pressure Oxygen ISO 21020 - Steady-state oxygen service	Yes AIT: 472 C 345 bar (5004 psi)
Service Temperature Range	-240°C (-400°F) to +287°C (+550°F)
A-A 58092	Yes
MIL-T-27730A	Yes
Made in USA	Yes
Shelf Life	Unlimited
Max Pressure Rating	+ 10,000 PSI / 689 Bar

How to Apply

- Clean the male and female threads of dirt or oil.
- Starting two threads back from the end of the male fitting, apply two wraps of LOX-8 Full Density Thread Seal Tape in the direction of thread rotation, maintaining tension on the tape while wrapping.
- For large or critical connections, apply thread sealant paste over the tape. See directions below.

When using LOX-8 Full Density Thread Seal Tape with LOX-8 Thread Sealant:

- Apply LOX-8 Full Density Thread Seal Tape as directed above.
- Use your finger and apply LOX-8 Thread Sealant liberally to fill the threads.
- Fit and torque the male and female pieces together. Hand tighten or use standard pipe tools to torque.
- Wipe off excess sealant.
- Be careful not to over-tighten the fittings, as the fittings may crack.
- For reapplication, clean the male and female threads of dirt or oil.
 1. Use a brass or stainless-steel wire brush to clean off material on the threads
 2. Wipe down the threads using a lint-free cloth and acetone
 3. Re-assemble

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Packaging

Part No.	Color	Size	
9010002	Green	¼" x 260"	Multi-purpose & oxygen tested approved. Use with LOX-8 Thread Sealant
9010003	Green	¼" x 520"	Multi-purpose & oxygen tested approved. Use with LOX-8 Thread Sealant
9010005	Green	½" x 260"	Multi-purpose & oxygen tested approved. Use with LOX-8 Thread Sealant
9010008	Green	½" x 1296"	Multi-purpose & oxygen tested approved. Use with LOX-8 Thread Sealant
9010010	Green	¾" x 520"	Multi-purpose & oxygen tested approved. Use with LOX-8 Thread Sealant
9010013	Green	¾" x 1296"	Multi-purpose & oxygen tested approved. Use with LOX-8 Thread Sealant
9010032	Yellow	½" x 260"	Multi-purpose & gas pipe
9010018	White	¼" x 260"	Multi-purpose & FDA-approved
9010022	White	½" x 260"	Multi-purpose & FDA-approved
9010024	White	½" x 1296"	Multi-purpose & FDA-approved
9010026	White	¾" x 520"	Multi-purpose & FDA-approved



LOX-8® FULL DENSITY THREAD SEAL TAPE IS COMPATIBLE WITH THESE AND OTHER SIMILAR AGGRESSIVE CHEMICALS:

Acetylene	Fluorine (gaseous)	Oleum
Aluminum Chloride	Fuming Nitric Oxide	Oxygen (liquid & gaseous)
Ammonia	Gasoline	Ozone
Ammonium Hydroxide	Helium	Peracetic Acid
Ammonium Nitrate	Hydrochloric Acid	Phosphoric Acid
Ammonium Perchlorate	Hydrogen	Potassium Hydroxide (caustic potash)
Anhydrous Ammonia	Hydrogen Bromide	Potassium Perchlorate
Antimony Trichloride	Hydrogen Fluoride	Potassium Persulfate
Argon	Hydrogen Peroxide (all concentrations)	Propane (liquid & gaseous)
Bicarbonate Acid	Hydrogen Sulfide	Propylene Oxide
Boron Trichloride	Hydroiodic Acid	Silane
Boron Trifluoride	Hydrofluorosilicic Acid	Silicone Tetrachloride
Bromine	Hypochlorite solutions	Sodium Hydroxide (caustic soda)
Bromine Trifluoride (gaseous)	Iodine	Sodium Hypochlorite
Calcium Hypochlorite	Kerosene	Sodium Perchlorate
Carbon Dioxide	Methane (Biogas)	Sodium Peroxide
Chlorine (liquid & gaseous)	Muriatic Acid	Sulfur Dioxide
Chlorine Trifluoride (gaseous)	Natural Gas (liquid & gaseous)	Sulfur Trioxide
Chlorosilanes	Nitric Acid	Sulfuric Acid
Chlorosulfonic Acid	Nitrogen	Thionyl Chloride
Chromic Acid	Nitrogen Oxides	Titanium Tetrachloride
Chromyl Nitrate	Nitrogen Trifluoride	Uranium Hexafluoride
Diesel Fuel		
Ethylene Oxide		