



Project	Pipe Thread Sealant Leak Test	
Sealant	Krytox™ TS4	
Leak Check Gas	Helium	
Result	PASS	
Time	Pressure, psig	Temperature, °F
Day 1	400	81.5
	400	81.9
	400	84.2
Day 2	400	82
	400	83.5
	399	78.2
Day 3	399	78.7
	400	83.6
	402	86.4
Day 4	400	78.8
	400	80.8
	403	87.8
Day 5	404	89
	398	79.3
	402	87.5
Day 6	402	88
	398	82.3
	400	86.2
Day 7	401	87.7
	392	78
	401	87.7

Note: Pressure fluctuations due to temperature change

Due to its small atomic size, helium passes easily through leaks, and it is an industry standard for a tracer gas used to find leaks.

Krytox™TS4 is conveniently available in 0.5, 2, and 8 oz tubes, 0.5 kg jars, and other size containers available upon request.

Krytox™lubricants have been used in contact with the following chemicals, in addition to many others not listed:

Acetone	Heptane	Organic Compounds
Acrylonitrile	Hexafluoropropylene	Oxygen, Liquid or Gas
Alcohol	Hexane	Ozone
Acetylene	Hydrobromic Acid	Pentane
Hydrocarbon Oils	Hydrocarbon Compounds	Polyalphaolefin
Ammonia	Hydrocyanic Acid	Potassium Chloride
Ammonium Nitrate	Hydrochloric Acid	Potassium Hydroxide
Aniline	Hydrofluoric Acid	Perchloroethylene
Aqueous Caustic	Hydrogen	Phosphoric Acids
Benzene	Hydrogen Bromide	Phosgene
Boiling Sulfuric Acid	Hydrogen Chloride	Polyalkylene Glycols
Brake Fluids	Hydrogen Peroxide	Polyalphaolefins
Bromine	Hydrogen Sulfide	Polyol Ester Oils
Butadiene	Iodine	Polyphenyleneoxide (PPO)
Butane	Isopropyl Alcohol	Potassium Hydroxide
Butylene	JP 4 and 8 Turbine Fuel	Potassium Permanganate
Carbon Dioxide	Lithium Glycol	Propane
Carbon Monoxide	Methane	Propylene
Carbon Tetrachloride	Methanol	Red Fuming Nitric Acid
Chlorine, Liquid or Gas	Methylamine	Silicone Products
Chlorine Trifluoride	Methylchloride	Sodium Hydroxide
Chloroform	Methylbromide	Sulfur Hexafluoride
Compressed Air	Methylmercaptan	Sulfuric Acid
Dichlorosilane	Methylsilane	Sulfur Oxides
Dimethylether	Methylene Oxide	Unsymmetrical Dimethyl Hydrazine
Diesel Fuel	Mineral Acids	Uranium Hexafluoride
Diethylenetriamine	Monosilane	Trifluoroacetylchloride
Ester Oils	Molten Caustic	Trimethylamine
Ethane	Natural Gas	Vinyl Chloride
Ethanol	Nitric Acid	Vinyl Bromide
Ethyl Alcohol	Nitrogen	Vinyl Fluoride
Ethyl Chloride	Nitrogen Oxide	Water, Steam
Ethylene	Nitrogen Oxides	
Ethylene Glycol	Nitrogen Trifluoride	
Ethylene Oxide	Nitrotrifluorine	
Fluorine	Nitrous Oxide (Anesthesia)	
Formaldehyde	Organic Acids	
Gasoline		
Helium		

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