



www.anti-seize.com

# POLY-TEMP®

## PTFE - Thread Seal Tapes

### Description

Our Poly-Temp® PTFE tapes are made of 100% virgin PTFE resins. We offer 6 products to handle a wide variety of applications and requirements, listed under USA and Canadian UL, AGA and CSA Approvals and meet Mil Specs: MIL-T-27730A and C.I.D. A-A-58092.

### Features and Benefits

- Chemically Inert • Non-hardening, remaining flexible • A thread sealant for all services
- Stronger and higher density than most tapes • Forms a permanent seal for the life of the connection
- Temperatures: -400°F to +550°F (-240°C to +287°C) • Pressures to 10,000 psi
- All Poly-Temp® Tapes are suitable for use on oxygen systems (see applications below)
- Compatible with all pipe materials without exception.

### Typical Physical Properties and Approvals

	Poly-Temp® MD Medium Grade	Poly-Temp® HD Heavy duty	Poly-Temp® XHD, SSG & PNK (Xtra Heavy Duty)	Poly-Temp® GAS Full density (Xtra Heavy Duty)
Military Specifications *	MIL-T-27730A	MIL-T-27730A	CID A-A-58092	CID A-A-58092
Other specifications	ASTM G63-99	ASTM G63-99	ASTM G63-99	ASTM G63-99
CSA International (prior AGA)			CSA Req'm't. #4-90	CSA Req'm't. #4-90
Underwriters Laboratories	UL	UL	UL and ULC	UL and ULC
Color	White	White	White, Gray, Pink	Yellow
Thickness Mils	3.5 ± 0.5	3.5 ± 0.5	4.0 ± 0.5	4.0 ± 0.5
Specific Gravity	0.7 - .9	0.9 - 1.1	1.2 - 1.5	1.2 - 1.5
Longitudinal Tensile, (PSI)	≥ 800	≥ 800	≥ 800	≥ 800
Elongation	≥ 50%	≥ 50%	≥ 50%	≥ 50%

\* CID A-A-58092 replaced Mil-T-27730A January 1997 (for Oxygen service). ULC (Underwriters' Laboratories of Canada)

### Applications

POLY-TEMP® tapes are intended as an anti-seize and sealant of pipe threads for all threaded connections servicing chemicals, acids, alkalis, caustics, corrosives, fuel oils & gases, refrigerants, solvents, liquid and gaseous oxygen, potable water, food service and more. All Poly-Temp® Tapes conform to ASTM G63 for Oxygen service requirements. Poly-Temp® XHD tapes meet Specification CID A-A-58092. Poly-Temp SSG (XHD) Stainless Steel Grade with its nickel content is designed to perform as a sealant and as an antiseize for difficult service conditions associated with stainless steel and SS alloys.

### Toxicity

POLY-TEMP® products are compliant with USDA, FDA and NSF, they are non-toxic under normal usage. (Do not burn; PTFE materials emit a toxic gas if incinerated).

### Testing and Certifications

**UL** tests and certifies specifically for 1 -1/2" (Max.) metal pipe size for gasoline, petroleum oils, natural gas, pressures not over 100 psig.

**ULC** tests and certifies for 3" (Max.) metal pipe size for gasoline, petroleum distillates, propane, butane, natural and methane gas, pressures not exceeding 2,250 psi (15,514 kPa).

**CSA** certifies for 1-1/2" (Max.) metal pipe size for gasoline, petroleum distillates, propane, butane, natural gas, pressures not exceeding 300 psig.

	Medium Density	Heavy Duty	Xtra Heavy	Stainless Steel	Yellow Gas Line	Pink Plumbers
Size & Length	Poly-Temp® MD	HD	XHD	SSG (XHD)	GAS (XHD)	PNK (XHD)
1/4" x 520"	16025					
1/2" x 260"	16030	46130	46230	46231	46330	46430
1/2" x 520"	16035	46135	46235		46335	
1 1/2" x 520"			46270			
1/2" x 1296"	16040					
3/4" x 260"	16045				46345	
3/4" x 520"	16050	46150	46250		46350	
1" x 260"	16055					
1" x 520"	16060					
1" x 1296"	16065					

POLY-TEMP® is a registered trademark of Anti-Seize Technology.

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**Technical Data Sheet**

P/N 16000-46000 Series

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## **POLY-TEMP®**

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#### **Product Limited Warranty**

This information is based on information we believe to be reliable and accurate, but no guarantee of its accuracy is made for a particular application. We urge and recommend that Users pretest their application prior to incorporating the product into use and assume that the User will conduct such testing. Also see warranty statement on website.