

# POLY-TEMP® Anti-Seize Tapes

## PTFE Tapes filled with Copper, Nickel, or Ceramic Powders

### Product Description

**Anti-seize in super convenient no-mess tape-roll dispensers.** Withstands temperatures up to 2600°F (Nickel) without melt or run-off. Neat and clean, carry it in your pocket.

**Poly-Temp® Anti-Seize Tapes** are unique lubricating products that assist in assembly and disassembly of threaded fasteners and connections. These tapes provide the means to apply and control a precise amount of lubrication while maintaining a clean, non-greasy assembly.

**Poly-Temp® Anti-Seize Tapes** are made with Copper, Nickel, or Ceramic flakes blended with PTFE and PTFE resins. PTFE is an excellent lubricant and the additive flakes help prevent seizing and galling during assembly and disassembly of threaded components. This combination of ingredients provides protection from corrosive substances and dirt.

**POLY-TEMP® COPPER Tape** is used for cleaner, high-temperature threaded, anti-seize applications. Reduces required torque. Applies easily, seals tightly, overcomes high-temperature seizing. Protects against corrosion, rusting, and galvanic pitting. Temps. -450° to +1800°F (-268° to +982°C).

**POLY-TEMP® NICKEL Tape** is for applications where copper cannot be used including chemical, extremely high temperature, and harsher environments. Made especially for stainless steel threads. Temps. -450° to 2600°F (-268° to +1426°C).

**POLY-TEMP® CERAMIC Tape (Food Grade)** is formulated specifically for anti-seize applications typical to food the industry. All materials are FDA approved. Temps. -450° to +2100°F (-268° to +1148°C).

### Features & Benefits

- Easy to apply from handy plastic spool
- Will not squeeze out and rub off like grease based products
- Discourages seizing, galling, and carbon fusing
- Compatible with a wide range of chemicals
- Non-flammable, non-staining, non-toxic
- Inhibits corrosion, rusting, and galvanic pitting
- Meets mill specs. T-2773OA (ASG) and A-A-58092
- Excellent pipe thread sealant up to 500°F (260°C)
- Recommended for sealing stainless steel pipe and fittings

### Applications Include

**Poly-Temp® Anti-Seize Tapes** can be applied to threaded fittings and fasteners made of: steel, iron, brass, aluminum, titanium, & magnesium. For stainless

steel, use Nickel or Copper Anti-Seize Tapes. For food service, use the Ceramic Anti-Seize Tape.

**Poly-Temp® Anti-Seize Tapes** resist strong alkaline solutions, most chemical and acid vapors, road salt, steam and iodized water. Components above 1 1/2" diameter require 3/4" wide tape. Not intended for use with oxygen systems.

Use on: flanges, studs, threaded fittings and fasteners, valve shaft assemblies, cylinder head assemblies, dies, manifolds, gauges, steam traps any threaded connection.

### Typical Properties

Property	Poly-Temp® Copper	Poly-Temp® Nickel	Poly-Temp® Ceramic
Composition	PTFE, Copper	PTFE, Nickel	PTFE, Ceramic Powder
Color	Copper	Silver	Yellow
Thickness	0.0045" ± 10%	0.0045" ± 10%	0.0045" ± 10%
Density	1.5g/cm <sup>3</sup> ± 10%	1.5g/cm <sup>3</sup> ± 10%	1.3g/cm <sup>3</sup> ± 10%
Elongation	>100%	>50%	>50%
Tensile Strength	9-13 N/mm <sup>2</sup>	10-12 N/mm <sup>2</sup>	9-13 N/mm <sup>2</sup>
Temperature Range	-450° to 1800°F (-268° to 982°C)	-450° to 2600°F (-268° to 1426°C)	-450° to 2100°F (-268° to 1148°C)

### Precautions

Poly-Temp® Anti-Seize Tapes are composed from PTFE resin, which is generally resistant to all chemicals, however, there are a few exceptions. Alkali metals such as elemental sodium, potassium, and lithium are to be avoided. These elements remove flourine from polymer molecules. Flourine and other potent oxidizers (e.g. Chlorine tri flouride) should be also be avoided. See Warranty Statement in our Catalog or on our Website.

### 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.

Available In:	1/2x600 (10/case)	3/4x600 (6/case)
<b>Poly-Temp® Copper P/N:</b>	<b>36136</b>	<b>36151</b>
<b>Poly-Temp® Nickel P/N:</b>	<b>36336</b>	<b>36351</b>
<b>Poly-Temp® Ceramic P/N:</b>	<b>36536</b>	<b>36551</b>

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

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