

Torr Seal® Low Vapor Pressure Resin Sealant



Torr Seal epoxy resin quickly seals leaks on any type of vacuum system or component. Provided in convenient tubes, Torr Seal is solvent-free and can be used at pressures of 10^{-9} torr (mbar) and below, at temperatures from -45°C to 120°C (bakeable temperature). Additionally, Torr Seal permits leak checking immediately after curing and bonds with many materials including metal, ceramic, and glass.

| Ordering Information | | |
|--|-------------|------------------|
| Description | Part Number | Weight lbs. (kg) |
| Torr Seal base resin, 90 grams, and Torr Seal hardener, 45 grams | 9530001 | 1 (0.45) |

Torr Seal® Mixing System



The Torr Seal Mixing System includes an applicator gun, a pre-measured Torr Seal cartridge, and an epoxy/resin mixer. The system uses the same low vapor pressure resin sealant as standard Torr Seal, while providing a systematic and scientific way of mixing the Torr Seal epoxy and resin. The applicator gun dispenses pre-measured epoxy and resin from the cartridge through the mixer so that a uniform Torr Seal bead can be placed on any surface. As with the standard Torr Seal tubes, the mixing system can be used at pressures of 10^{-9} torr and below, and at temperatures from -45°C to 120°C (bakeable temperature).

| Ordering Information | | |
|--|-------------|------------------|
| Description | Part Number | Weight lbs. (kg) |
| Applicator gun with Torr Seal cartridge (2 oz.) and three mixers | 9530002 | 2.00 (0.91) |
| Applicator gun only | 9530003 | 1.50 (0.68) |
| Torr Seal cartridge (2 oz.) and three mixers | 9530004 | 0.75 (0.34) |
| Mixers only (six to a package) | 9530005 | 0.25 (0.11) |

Fel-Pro™ Heavy Duty Anti-Seize

Fel-Pro Heavy Duty Anti-Seize is a high-temperature, anti-galling lubricant designed for screw threads and other mated components of all types. Generally used in applications that are external to vacuum systems, Fel-Pro is useful in temperature ranges of 70°C to $+1315^{\circ}\text{C}$.

| Ordering Information | | |
|---|-------------|------------------|
| Description | Part Number | Weight lbs. (kg) |
| Fel-Pro Heavy Duty Anti-Seize Lubricant | 9530031 | 0.3 (0.13) |

Apiezon Vacuum Grease, Type L

Apiezon L is a general vacuum grease that has a vapor pressure from 10^{-11} torr (mbar) at 20°C to 10^{-3} torr (mbar) at 300°C , and has a melting point of $< 50^{\circ}\text{C}$.

| Ordering Information | | |
|--------------------------------|-------------|------------------|
| Description | Part Number | Weight lbs. (kg) |
| Apiezon L vacuum grease, 1 oz. | 695400004 | 1.0 (0.45) |

Dow Corning High Vacuum Silicone Grease

This high vacuum grease is a stiff, non-melting, non-oxidizing silicone lubricating material that maintains its consistency from -40°C to $+260^{\circ}\text{C}$.

| Ordering Information | | |
|-------------------------------------|-------------|------------------|
| Description | Part Number | Weight lbs. (kg) |
| High vacuum silicon grease, 5.3 oz. | 695400008 | 1.0 (0.45) |

Varian Vacuum Grease

This is a general purpose grease with a vapor pressure in the 10^{-6} torr range. It is a non-silicone grease that comes in two viscosities and two sizes.

| Ordering Information | | |
|--|-------------|------------------|
| Description | Part Number | Weight lbs. (kg) |
| Varian Vacuum grease, Medium Weight, ¼ lb size | LGCMID025 | 1.0 (0.45) |
| Varian Vacuum grease, Medium Weight, 1 lb size | LGCMID100 | 1.0 (0.45) |
| Varian Vacuum grease, Heavy Weight, ¼ lb size | LGCHEV025 | 1.0 (0.45) |
| Varian Vacuum grease, Heavy Weight, 1 lb size | LGCHEV100 | 1.0 (0.45) |