



LAMINATION TOOLING

Serving the P.C. Industry Since 1977

## TUF-LUBE® TL-2000 AEROSOL HIGH TEMPERATURE RELEASE AGENT

### PRODUCT DESCRIPTION

TADCO's Dri-Lube® TL-2000 Release Agent is a fluorotelomer external release agent packaged in an aerosol container. The TL-2000 provides a dry lubricating, thin barrier coating to prevent epoxy resin from sticking to the lamination pins, bushings, plates, or press platens. TL-2000 is recommended for the printed circuit board lamination area where a silicone-based product is not acceptable and a higher temperature/pressure performance is needed.

TL-2000 is heat-stable for up to 500° F (260° C) and requires no cure time. The releasing properties of TL-2000 provide a quick, clean sliding effect which is excellent in the process of depinning the lamination books. This will help avoid depinner pin breakage and broken lamination pins and bushings.

TL2000 is non-ozone depleting and was formulated to contribute to a safer environment. TL-2000 does not contain chlorofluorocarbons (CFC's) or chlorinated solvents.

**TUF-LUBE® TL-2000 – SAFE TO HANDLE – NO SILICONE – NONFLAMMABLE  
CONTAINS NO OZONE DEPLETING SUBSTANCES (O.D.S.)**

### Application Recommendations

Use in a well-ventilated area and allow for full evaporation. Shake well before use. Align the spray head with black mark on valve rim to ensure complete evacuation of contents. Hold the can 8-10 inches from the surface and apply to clean surfaces in a circular motion. Spray a thin film application. Allow to dry for 3-5 minutes. The propellant system and solvent components will quickly evaporate leaving behind only the release film

### Physical and Chemical Properties

Physical form	Liquid (in aerosol form)
Color	Clear
Odor	Slight ethereal
Bulk density	7.18 lbs/gal
Specific gravity	0.86 @ 70°F
Flash point test	Nonflammable (as determined by the aerosol flame protection equivalent to ASTM D 3065-77 and FHSA Section 1500.45)
Vapor pressure	60 PSIG @ 70°F (aerosol container pressure)
Vapor density	Less than 1.0 (air = 1)
% volatile by weight	90-99
Boiling point	-13°F (-25°C)
Melt point/Freeze point	n/a
PH	n/a
Solubility in water	Insoluble
Thermal and chemically stable	