



TECHNICAL BULLETIN

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#024-C

**SUBJECT: HEAD SPACE ANALYSIS FOR CONTAINERS HAVING
NEGATIVE (VACUUM) AND POSITIVE PRESSURES**

PRODUCT: OX-TRAN® SERIES OF INSTRUMENTS

When testing barriers at all levels of oxygen transmission rates, all sources of error must be considered to eliminate the possibility of test inconsistency. Silicone grease, when forming a seal between the test film and the two plates of the diffusion cell, can contribute to nonuniform test results.

To combat this problem, a new type of vacuum sealant, Apiezon-T grease is now recommended to improve O₂TR testing results. Apiezon-T grease is a very effective sealant and remains stable even at high temperature. By greatly reducing the problem of gas leaking through the grease, repeatability and reproducibility can be greatly improved. Use of Apiezon-T grease is also a good barrier against CO₂; however, the percentage of CO₂ in the air is insufficient to cause leakage problems. Apiezon-T grease is not suitable for WVTR testing.

Apiezon-T is fully soluble in, and can be removed by the following solvents:

- Toluene
- Mineral spirits
- Trichlorethylene
- Kerosene
- Xylene

To order:

<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
021-548	Apiezon-T grease	25 gm tube

For prices, please contact your local sales representative or the MOCON factory.