



Gel Pack Datasheet

Qualified Shipping System: STP-302

Description:

Thermal Paks are traditional “cold” paks designed to protect your shipment from temperature changes in the STP-302 packaging system. Actual performance will depend on configuration. For greater thermal protection, please enquire about the complete Saf-T-Temp line of phase change materials.

For custom applications, configurations and sizes, please inquire.

Performance with STP-302 Shipper:

Hot stress testing was performed using two and three (2 and 3) each 8 ounce Gel Paks in an STP-302 Insulated Shipping System.

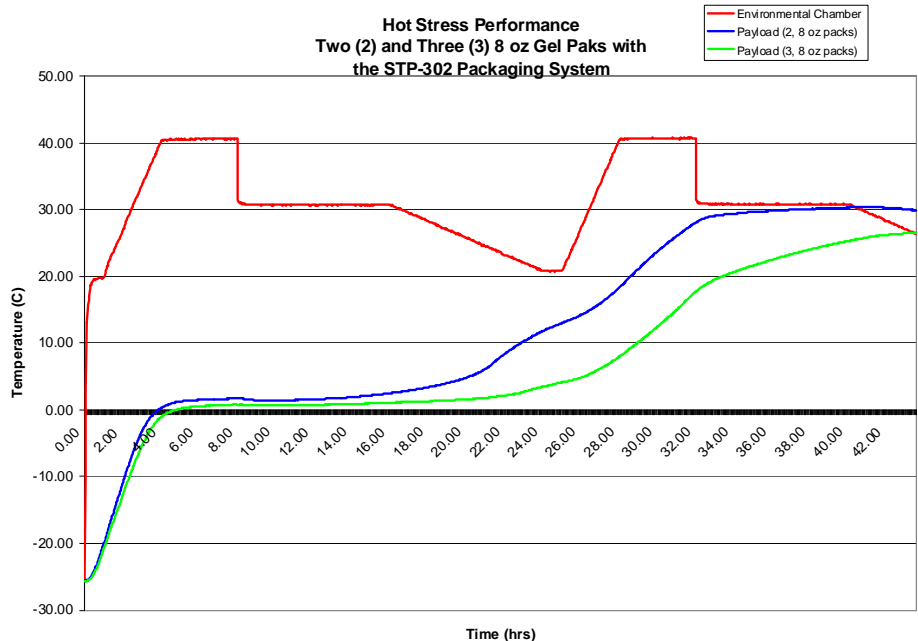
Performance results using 2 and 3 paks are summarized in the table.

The Gel Paks were conditioned in a conventional freezer set at maximum for 24 hours.

The “sample” payload consisted of 3 x 10 mL vials filled with antifreeze. The payload was enclosed in a STP-700 secondary pressure vessel.

Temperature readings reflect actual payload temperature by use of a thermocouple in contact with the product payload.

Note: The test data shown represents performance under the specific temperature profile indicated. Saf-T-Pak recommends the user qualify the packaging system for their individual shipment requirements.



Average Temperature Stress 30.0 °C

Number of Packs	8 oz Gel Packs in STP-302 (Time to 0 °C hours)	8 oz Gel Packs in STP-302 (Time to 10 °C hours)
2	4.0	22.0
3	8.0	28.0



Specifications subject to change without notice

Gel Paks - Instructions For Use

Conditioning:

Condition the Gel Paks in a conventional freezer set at maximum for 24 hours until paks are completely solid.

Assembly of the STP-302 Insulated Shipping System with Gel Paks:

1. Place the first conditioned Pak into the bottom of the insulated chest.



2. Place the assembled secondary pressure vessel with the conditioned payload on top of the first Pak.



3. Place the second or third conditioned Pak(s) (as appropriate to your needs) gently on top of the secondary pressure vessel.



4. Add cushioning material to fill any voids in the package. Replace the insulated cover and secure flaps with packaging tape.



5. The package is now ready to ship.

