Specialty Materials

Woman owned small business

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Specialty Materials
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Thawing and Repackaging of Boron/Epoxy and Hy-BOr® Prepreg Tapes

In order to maximize shelf life, it is important to keep boron/epoxy or Hy-Bor® prepreg tapes frozen. Specialty Materials recommends a storage temperature at or below 0 ºF. If planning to use and refreeze the boron epoxy prepreg, it is imperative that the following processes be followed:

- **TO THAW:**

1. Remove bagged prepreg tape from freezer.
2. Store unopened prepreg tape which is frozen at room temperature until the prepreg has come to ambient temperature. This is typically around 12 hours prior to opening plastic bag.
3. There shall be no moisture condensation on the bag surface prior to opening the sealed bag. It is acceptable to wipe the bag surface dry with paper towels if moisture is present before opening the sealed bag.
4. It is also acceptable to blow air over the surface of the material to assist in warm-up as long as the air temperature does not exceed 80°F during the warm-up.
5. Cut open plastic bag.
6. Remove shipping flanges.
7. Unroll prepreg tape and use.

- **TO REFREEZE:**

8. Re-attach original shipping flanges to tape roll.
9. Place un-used desiccant inside tape roll and tape to the inside core.
10. Place prepreg roll with attached flanges inside polyethylene plastic bag.
11. Remove air from bag (manually, or preferably using a vacuum seal unit).
12. Hermetically seal bag to keep air from infiltrating back into the bag.
13. Place into freezer below 0 ºF.

- **TO RESHIP:**

1. Follow "Refreezing" steps.

2. Place bagged tape into Specialty Materials supplied shipping container.

3. Pack with approx. 12 lbs. of dry ice (For foreign shipments use maximum quantity of dry ice to fill container).

4. Air ship package for next day delivery.

This procedure must be followed each time the boron/epoxy or Hy-bor ® prepreg roll is thawed. There is no limit as to how many times a roll can be thawed and refrozen using this procedure as long as the prepreg still meets outime and shelf life requirements.. Failure to follow this procedure can result in moisture contamination which could harm the prepreg.