

Application of HI-SHRINK TAPE:

1. HI-SHRINK TAPE may be applied directly to the composite part or over clamping forms. If the part is a tube, rod or cylinder shape, apply directly over the prepreg, and uniform pressure will be applied. (Fig. 1) The outer surface of HI-SHRINK TAPE has been Release Coated with a Teflon based release agent. When wrapping your part, be sure the Release Coated surface is in contact with the prepreg.



2. If the part has a rectangular section, taping directly over the prepreg will exert compressive force mainly on the corners. You may wish to apply the tape over simple clamping forms instead, so that compressive forces will be applied to the flat sections. (Fig. 2)

3. When wrapping, the start end of the tape can be secured by one or two overlaps on itself or secured by a small piece of adhesive tape. The finish end of the tape can be secured by a generous overlap of an adhesive tape. Even a paper backed masking tape will work to secure the finish end of the shrink tape. The masking will usually turn brown and overcook, but will generally hold.

4. When wrapping, use reasonable hand tension. Generally, HI-SHRINK TAPE is 1/2 lapped on itself, resulting in two layers of tape. If additional compression force is desired, do another 1/2 lapped wrap, starting from the finish end of your first wrap. During your cure cycle, HI-SHRINK TAPE will shrink and apply considerable compressive force to your composite part. Each additional layer of tape will apply additional force.

5. After wrapping your part with HI-SHRINK TAPE, put the part through the cure cycle called for by the prepreg materials being used.

6. Once the cure cycle is complete, HI-SHRINK TAPE can be removed, either while hot or after cooling down.

Fig.1
Wrapping Cylindrical Part
1/2 Lapped

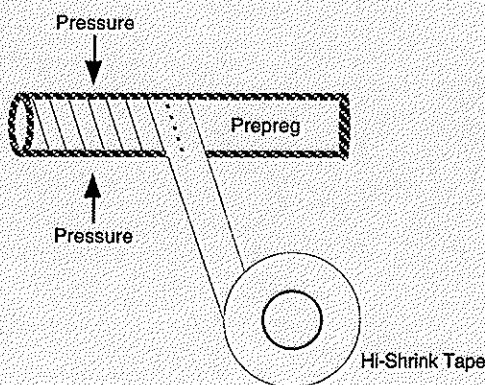


Fig.2
Wrapping a Part with
Flat Sides

