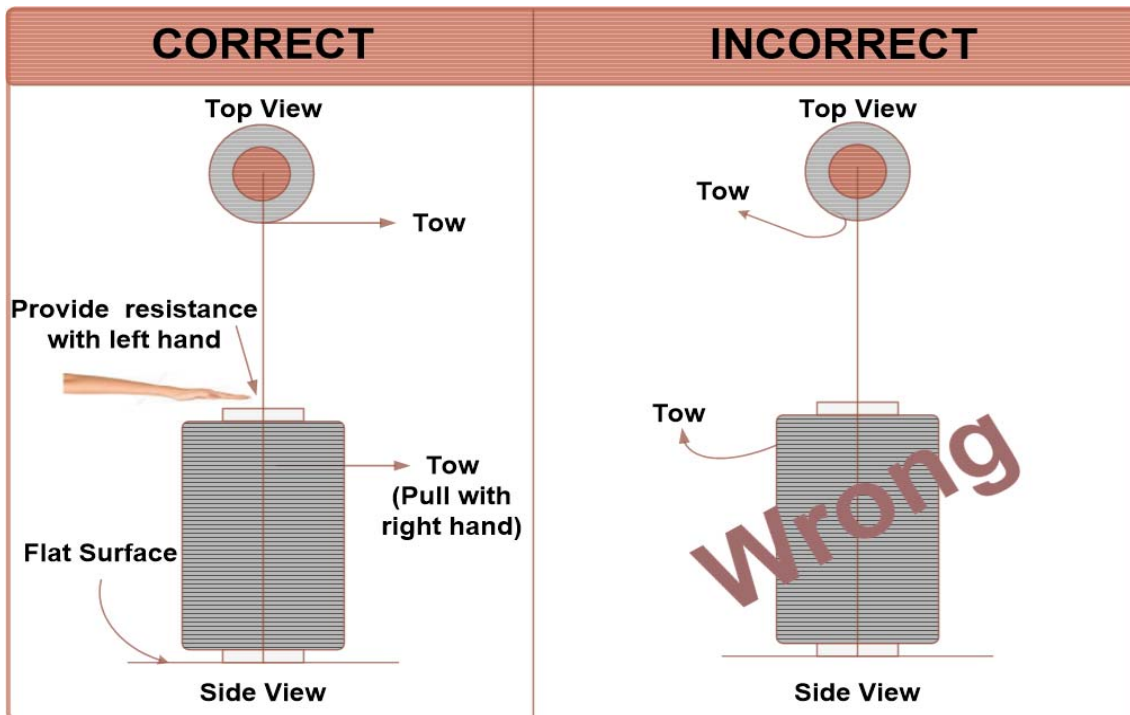


## TCR™ Towpreg Handling Instructions



### Unspooling:

To prevent splitting and fraying, it is necessary to maintain tension on the tow spool whenever the towpreg is being pulled from the spool. This can be accomplished by placing one end of the cardboard core on a flat surface with the spool axis vertical. Place one hand on the upper end of the core to provide resistance to rotation. With the other hand, pull the tow off the spool with the tow tangential to the outer spool diameter. See diagram below:



### Processing Temperature:

When filament winding with TCR™ towpregs, it is recommended that the spools be brought to ambient temperature (70-90F/21-32C) before loading into the creel and maintain ambient temperatures during unspooling and winding process.

### Filament Winding:

When filament winding with TCR™ towpregs, it is recommended that tension at the spool be maintained at all times. The minimum tension is 4.5lbs/2kgs and the maximum will vary depending upon the setup of the user's winding machine. Standard tension recommended is 10lbs/4.5kgs per towpreg spool.

### Storage:

To maximize the shelf life of TCR™ towpregs, store towpreg spools in moisture-resistant poly/plastic bags to prevent exposure to environmental elements.