

WARPING FAQ

- 1) What are the differences between beam warping and sectional warping? When the sectional warping is preferred over beam warping? Explain with examples.
- 2) Discuss the merits and demerits of different types of creel used warping. How the efficiency of the warping process is influenced by the type of creel used?
- 3) What will happen if length measuring motion on a beam warping motion is not reliable? What are the objectives of leasing the threads during warping?
- 4) Explain the operations of sectional warping with neat diagram. Show the relationship among traverse given to a section, height of the section and the cone angle of the drum.
- 5) How yarn count influence the traverse speed in a sectional warping machine? If the angle of sectional warping machine is fixed then what will be the % change in traverse speed when yarn count (tex) has been doubled.
- 6) What are the variants of sectional warping machine? Which one will be preferable when different yarn count and warping speeds are used?
- 7) The mass of yarn on the drum of a sectional warping machine is 165 kg when the length of the wound warp sheet is 10,000 m. The number of sections is 25 and each section is having 20s cotton yarns (with packing fraction of 0.6). If the drum is rotating at 120 r.p.m. and angle of inclination at the sides is 10° , then calculate the traverse velocity in cm/min.
- 8) A beam containing 5000m long and 150 cm wide warp sheet of 4500 ends is to be prepared from a creel containing 150 cones on a sectional warping machine of 12° conicity drum of 1 m diameter revolving at 200 rpm. If the full beam diameter is 1.02 m then calculate
 - a. The section width
 - b. Time taken to wind each section
 - c. Traverse of each section