

"FUNDAMENTALS" CONDITIONS OF PREPARATION OF THE VINISOL SOLUTION

- **LABORATORY SCALE:**

1. Put all the solvent in a clean container which can be later sealed (screw top lid or similar);
2. Start a high speed mixer (eg. Cowles disperser) at a speed that does not cause solvent to splash out of the container;
3. Add **VINISOL** resin slowly to avoid the formation of agglomerates;
4. Mix for approximately 15min, or until the mass becomes uniform;
5. Seal the container then put it in an oven;
6. Wait until the SOLUTION heats-up to **55°C**;
7. Wait the solution returns to ambient temperature before beginning tests.

- **INDUSTRIAL SCALE:**

1. Use a high speed mixer (eg. Cowles disperser);
2. Add enough solvent to obtain a mixture of 40% resin and 60% solvent;

Note: In case of a combination of solvents, add the true (more active) solvent first.

3. Turn on the mixer and add **VINISOL** resin slowly to avoid the formation of agglomerates;
4. Add heat stabilizer (if used);
5. Mix until the mass heats up to approximately **55°C**. Keep mixing at this temperature for 5 (five) minutes (this step is fundamental to achieve complete dissolution);
6. Add the rest of the true solvent;
7. Add the other solvents and additives.

Note: the total time required to form a solution may vary, depending on the mixer rotation and/or Cowles diameter.

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