

TECHNICAL DATA SHEET FOR CELON WET BANDS (PLASTIC-FREE SHRINK SLEEVES)

Plastic-free shrink sleeves act as a secondary seal around your bottle or container to prevent contamination and tampering. They provide visual tamper evidence to the end consumer, reducing shelf reject rates & enhancing your brand integrity.

MATERIAL INFORMATION:

The sleeves are made from Viscose, derived from Eucalyptus trees in PEFC certified forests. This raw material is converted into regenerated cellulose during our process, extruded into a tube and then cut to make sleeves.

PRESERVATION:

The sleeves are supplied in a non-hazardous preservative solution meaning they are in a wet state before use. The preservative solution is a Polyethylene Glycol/Chlorocresol (PCMC) based solution. Cellulose is a natural product, this preservative solution prevents potential bacteria from harming the sleeves, keeps the sleeves supple until use and stops the sleeves from self-shrinking until use.

Composition of the preservative solution:

- ✓ Polyethylene Glycol- 19-21%
- ✓ Chlorocresol- 0.08-0.12%
- ✓ The rest is made up of water.

As the levels of Chlorocresol are so low, the solution and sleeves are safe to be handled without gloves or protective equipment, however gloves may be used if preferred. Excess solution can be disposed of in your usual drainage system.

For more information on the preservative solution, please contact the sales team.



APPLICATION & SHRINKAGE:

The sleeves are hand applied and self-shrink within an hour at ambient UK temperatures, for other countries the drying time may vary. Whilst the sleeves do not require heat to shrink, heat can be used to accelerate the drying time, as long as the application of the heat is controlled so it is applied evenly and consistently.

Guidance on using a heat source on the sleeves:

1. Using a heat gun at 176°F and maximum air flow the drying time can be reduced to 150 seconds.
2. Using a heat tunnel at maximum air flow and 212°F the drying time can be reduced to approximately 160 seconds depending on the cycle time of the conveyor.

For more information on applying the sleeves including a step-by-step application guide, please contact the sales team.



STORAGE & HANDLING:

The sleeves are guaranteed for 12 months from date of manufacture provided the following conditions are met:

- The sleeves are stored in unopened tins or pails as supplied.
- The sleeves must be stored within the preservative solution they are supplied in.
- Tins need to be turned over and pails agitated monthly to ensure a homogeneous solution throughout.
- All tins and pails must be stored between 34 and 95 degrees Fahrenheit. Do not allow the sleeves to freeze as this can weaken them.
- Always ensure the sleeves are stored in an area away from direct sunlight and heat-sources.

Once the tins or pails have been opened:

After opening the guarantee no longer applies however by following the below steps your sleeves should be usable for several months.

- Ensure any unused bands are kept fully submerged in the solution and packaging they are provided in with the lid closed at all times. The tins or pails you receive will have plenty of solution in them, however, should you require more solution you can purchase it directly from Viscose.
- Do not dilute the solution the sleeves are supplied in, replace it with water or rinse the bands before use. This will weaken the sleeves and cause them to become brittle.
- Continue to agitate the container every month
- Continue to store away from direct sunlight and heat sources
- Continue to store between 34-95 degrees Fahrenheit.



To order or for more information

P 312.997.9980 E sales@sunsethcs.com W SUNSETHCS.COM

