



EC-14 series Technical data sheet

EC-14 - series of products contain a roll of labels and a roll of thermal transfer ribbon.

A white polyethylene labels has been developed to meet the requirements of the pharmaceutical industry for low leachables characteristics and good mandrel hold. Labels can be used for sterilization by e-beam- and gamma radiation as well as EtO. Either natural latex or ruminant animal-derived materials are not used during the manufacturing process of adhesive. The research centre ISEGA has given the adhesive approval for direct contact with dry and moist, non-fatty foodstuffs and labelling of blood bags. This adhesive has good adhesion on glass, PE and PP and features good mandrel hold on these substrates. Adhesive can be used for sterilization by e-beam and gamma radiation as well as EtO. Neither natural latex or ruminant animal-derived materials are used during the manufacturing process of adhesive.

The thermal transfer outsprint is legible and durable, resistant to abrasion, water and temperature.

Table 1. Face stock technical data

Not for specification purposes

FACE STOCK TECHNICAL DATA	
Material	Polyethylene
Color	White
Appearance	Matt
Caliper	95µm

Table 2. Adhesive technical data

Not for specification purposes

ADHESIVE TECHNICAL DATA	
Adhesive	Acrylic
Initial Tack	480 N/m FTM 9
Minimal Application Temperature	+10°C
Service Temperature	-40°C to +100°C

Table 3. Ribbon technical data

Not for specification purposes

RIBBON TECHNICAL DATA	
Type	Resin
Color	Black
Film thickness	4,5 µm
Total ribbon thickness	6,2 µm
Recommended maximum print speed	150 mm/s

Shelf Life

24 months from date of manufacture of product when properly stored at 22°C and 50% relative humidity.

Special Considerations

For maximum bond strength, the surface should be clean and dry. Typical cleaning solvents are heptane and isopropyl alcohol.

Note

Information presented have been determined by standard test methods and are values not to be used for specification purposes. Our recommendations on the use of our products are based on tests but we would ask for conducting your own tests to determine their suitability for your applications. Citizen cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations.

Solution



Migration safe solution

Products



Blood bag labels



Clinical trial labels