



## EC-15 series

### Technical data sheet

**EC-15 - 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. The permanent adhesive is characterized by a high initial tack, excellent adhesion and performance at low temperatures on a wide variety of substrates (including apolar surfaces), especially when utilized in below 0°C temperatures applications. Applications include medium life durable tracking labels in outdoor environments eg: chemical drum labels, stretch and shrink wrapped pallet labels where recycling may be required. The adhesive complies with the European food directives and legislations and the German recommendations XIV as published by BfR. BfR (Bundesinstitut für Risikobewertung) is the German Federal Institute for Risk Assessment. The adhesive can be used for indirect contact with foodstuffs and has also ISO 3826 approval (blood bag labelling). A trial is always recommended to verify the product / end use suitability.

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	110µm

**Table 2. Adhesive technical data**

Not for specification purposes

ADHESIVE TECHNICAL DATA	
Adhesive	Acrylic
Initial Tack	680 N/m
Minimal Application Temperature	-20°C
Service Temperature	-50°C to +80°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