



EC-12 series Technical data sheet

EC-12 - series of products contain a roll of labels and a roll of thermal transfer ribbon.

Self-adhesive foil labels and acrylic based adhesive are designed to perform at cryogenic temperatures and under difficult conditions, such as dry ice, steam sterilization. Recommended for labeling laboratory identification vials, test tubes, steel, glass and PP plates applied at room temperature and exposed to cryogenic conditions. Preliminary tests have to be done on the substrates in real conditions of use.

The thermal transfer outprint 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	Polypropylene
Color	White
Appearance	Glossy
Caliper	57µm

Table 2. Adhesive technical data

Not for specification purposes

ADHESIVE TECHNICAL DATA	
Adhesive	Acrylic
Initial Tack	560 N/m FTM 9
Minimal Application Temperature	+10°C
Service Temperature	-196°C to +120°C

Table 3. Ribbon technical data

Not for specification purposes

RIBBON TECHNICAL DATA	
Type	Resin
Color	Black
Film thickness	4,8 µm
Total ribbon thickness	7,5 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



Cryogenic solution

Products



Labels for vials and test tubes



Labels for straw and tubes



Labels for vials for laboratory centrifuges