



## Warehouse Rack Labels

### BARCODE LABELS

Warehouse Rack Labels keep your dynamic warehouse environment organized and efficient. These labels assist with a variety of storage configuration challenges. When you use our Warehouse Rack Labels, it's possible to accommodate numerous products on the move. In an ever-changing work environment, our Warehouse Rack Labels simply can't be beat!

#### Material and Design Specifications

- White polypropylene with clear polypropylene overlamine
- Serialized/unserialized numbers, barcode with human readable numbers
- Permanent pressure-sensitive adhesive

#### Technical Specifications

- All alphanumeric barcodes are photo imaged with human-readable equivalent to guarantee no skips in sequence
- Code 39 with 2.7 to 9.4 characters per inch (CPI) is standard
- Other barcode symbologies include Code 128, 1 2 of 5, 2D DataMatrix and QR Code. OCR characters and CPIs also available

#### Key Features

- Durable construction
- Barcode visibility that is easy to scan
- Crisp text and numbers that are easy to see and identify

#### Applications

- Bins
- Inventory Management
- Racks
- Warehouse

#### Environmental Specifications

- UV Resistance: Up to 7 years of resistance
- Chemical Resistance: Excellent resistance to strong acids and alkaline solutions, very good resistance to flammable and combustible solvents and a wide variety of cleaning products.

## Test Results

These tests were conducted for a limited period in strict laboratory conditions. To achieve maximum satisfaction, we highly recommend any customer considering use of this product test the labels in the environment in which they will be used.

**Chemical Test Summary:** Labels were applied to a clean glass substrate and submerged in the following chemicals for 6 hours. A 180 degree peel test was performed on each label to measure peel strength and a percentage peel strength change was calculated based on a sample left in standard room temperature dry conditions.

	Water	Glass Cleaner	Bathroom Cleaner	Isopropyl Alcohol	Acetone	NaOH pH 12	HN03 pH 12	HCl pH 12	HCl pH 12	Brake Fluid	Diesel Fuel
Peel Strength (Control)	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1

**Temperature Test Summary:** Labels were applied to a clean glass substrate and heated to the temperatures listed below for 1 hour. Peel tests were performed to compare change in adhesive strength and barcodes were graded before and after testing to measure image degradation severity.

Temperature Test Data - Adhesive strength change after heat exposure	104 °F/40 °C for 1 hour	212 °F/100 °C for 1 hour	302 °F/150 °C for 1 hour	392 °F/200 °C for 1 hour
Peel Strength (Control)	9.1	9.1	9.1	9.1
Actual peel strength (lb/in)	8.6	7.4	6.9	4.6

**Barcode Readability Test Data:** Barcode grade loss after heat exposure

104 °F/40 °C for 1 hour	212 °F/100 °C for 1 hour	302 °F/150 °C for 1 hour	392 °F/200 °C for 1 hour
0	0	No read	No read

### Abrasion Test Summary

Labels survived more than 10,000 revolutions on Taber Abrader using Calibrase H18 wheel with 1000 gram weight and remained readable with a barcode reader.

## Installation Instructions

- Clean the surface using Isopropyl alcohol, alcohol pad or equivalent solvent to ensure surface is free from dirt, dust, oil and misc. debris that may affect adhesion.
- Handle the tag by edges, peel release liner from back ensuring not to touch the adhesive.
- Place the tag in desired tagging location and firmly apply even pressure to the tag for 5 seconds.
- Do not disturb the newly mounted tag for at least 72 hours to ensure proper adhesive sealing.

## Industry Compliance



intertek

