

# ColdMark Data Sheet



## Specifications

<b>Indication Type</b>	Visual, irreversible clear to violet color change
<b>Activation Temperature Levels</b>	Sensitivities available between -3°C and 10°C. See Product Selection table for details.
<b>Temperature Accuracy</b>	+1°C / +2°F
<b>Activation Temperature Exposure Time Period</b>	30 minutes or less
<b>Product Life</b>	2 years
<b>Mounting Method</b>	Pressure-sensitive adhesive
<b>Storage Conditions</b>	Unused product must be stored above activation temperature and below 43°C / 110°F
<b>Dimensions</b>	3.3 x 0.8 x 0.4in / 83.82 x 20.32 x 10.16mm
<b>Weight (varies by sensitivity)</b>	3.06g

Part Number	Activation Temp
CM -3/-26	-3°C/26°F
CM 0/32	0°C/32°F
CM 2/36	2°C/36°F
CM 5/41	5°C/41°F
CM 10/50	10°C/50°F

## Product Selection

ColdMark should be used when monitoring products that must be maintained at temperatures above a specified temperature

## Pressure-Sensitive Adhesive Data

### Product Description

- High performance, acrylic pressure-sensitive adhesive (2 mil thick film) that provides excellent adhesion to most smooth surfaces
- Provides aggressive tack and high shear strength
- Excellent UV light stability and elevated temperature resistance

Physical Properties	Typical Values*
<b>Quick Tack</b> Stainless Steel	4.0 lbs./sq.in.
<b>Peel Adhesion</b> Stainless Steel - 30 minute residence	4.1 lbs./in.
<b>Shear</b> Stainless Steel - 1000 g/sq. in.@ 72°F	300+ hours to fail
<b>Thickness</b> Adhesive only	.002 inches

### Temperature Range Guidelines

**Application:** Above 10°C/50°F for best performance

**End Use:** -40°C to 121°C/-40°F to 250°F

### Chemical Resistance

Resistant to water, detergent, alcohol, aliphatic and some aromatic hydrocarbons. Not recommended for use in contact with active solvents such as ketones, esters, and some chlorinated hydrocarbons.

\*Values given are typical and are not necessarily for use in specifications. Product reinforced with 2 mil PET during adhesion tests.

## How to Mount

Temperature indicators are best suited for monitoring product or the controlled environment of the product.

ColdMark descending temperature indicators are best used when mounted directly to the product being monitored or when placed inside the product shipper. Indicators should not be placed directly on gel packs, phase change materials, etc.

In rare cases, temperature indicators are mounted on external packaging to monitor ambient temperature conditions.

## Drawings

