



# Maintenance of real freshness **Catch-Cool**

**“Catch-Cool” The Functional Essences Are!!**



- Perfect for maintaining freshness at cryogenic temperature.
- Used in variety of places - food shops, pharmacies and transports.
- We provide various sizes depending on your needs.
- Low cost, recyclable-Most economical for your operations.
- Very hygienic all products are all treated with preservatives.
- The incineration does not release any toxic substances.



**All products manufactured by our factory have obtained ISO certification.  
Catch -Cool handles a wide range of size and weight from 20g to 1Kg.**



**CATCH-COOL**

Product number : CH-\*\*\*  
Outside bag : Nylon Poly  
Contents : Gel

Standard gel type.



**CATCH-COOL  
non-woven fabrics**

Product number : F-\*\*\*  
Outside bag : non-woven  
Contents : Gel

Using the superabsorbency  
non-woven fabrics.



**POWER-ICE NY25μ**

Product number : PI-\*\*\*  
Outside bag : Nylon Poly  
Contents : RO water

Environmental friendly  
water bag.



**CATCH-COOL KIDS**

Product number : K-40(1 type)  
Outside bag : Nylon Poly  
Contents : Gel

Pretty design !

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## Catch-Cool handling conditions

Please answer each question below.

The total point of the figure is your coefficient.

The weight for Cool Elements required is determined by the intersection of the numerical value coefficient and the time to be refrigerated.

\*The numerical value of this graph is a reference value but not a guaranteed one.

- |                               |   |  |                                 |
|-------------------------------|---|--|---------------------------------|
| ◆ Which season do you use it? | ◆ How cool would you like to keep the item? | ◆ temperature of the item before pack? | ◆ What is thickness of the box? |
| ① Winter                      | ① 10°C~20°C                                 | ① frozen goods                         | ① 20mm~                         |
| ② Spring, Autumn              | ② 5°C~10°C                                  | ② 0°C~10°C                             | ② 5mm~20mm                      |
| ③ Summer                      | ③ 0°C~5°C                                   | ③ 10°C~20°C                            | ③ ~5mm or carton box            |

【Example】 Summer ③ + 5~10°C ② + frozen goods ① + 5mm~20mm ② = coefficient **8**

Because the coefficient is **8** the necessary Cool Elements required **800g** when the cooled time is **20 hours**.

time	~8hours	~16hours	~24hours
4	100g	200g	300g
5	150g	250g	400g
6	200g	300g	500g
7	250g	400g	650g
8	300g	500g	800g
9	400g	650g	1Kg
10	500g	800g	1,5Kg
11	650g	1Kg	2Kg
12	800g	1,5Kg	2,5Kg

## Standard table

### Catch-Cool

Product number	contents	size(mm)	psc
CH-20	20g	70×70	500
CH-30	30g	70×90	350
CH-40	40g	70×100	250
CH-50	50g	70×110	200
CH-70	70g	70×130	140
CH-100	100g	70×150	150
CH-100PL	100g	90×140	150
CH-200	200g	110×160	72
CH-300	300g	140×190	54
CH-400	400g	140×220	40
CH-500	500g	140×220	30
CH-700	700g	165×230	20
CH-800	800g	190×280	20
CH-1000	1Kg	190×280	16
CH-150 Long	150g	70×180	105
CH-200 Long	200g	70×220	80
CH-250 Long	250g	70×220	60

### Power-Ice

PI-20	20g	85×65	500
PI-30	30g	85×90	350
PI-50	50g	85×110	200

### Catch-Cool non-woven fabrics

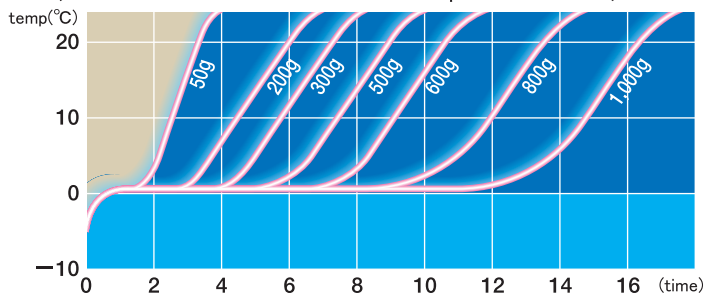
F-30	30g	70×90	330
F-40	40g	70×100	250
F-50	50g	70×110	200
F-100PL	100g	90×140	150
F-200	200g	110×160	72
F-300	300g	140×190	54
F-500	500g	140×220	30

### Catch -Cool KIDS

K-40	40g	60×110	250
K-40 TAPE	40g	60×110	250

## Capacity of the Cool-Elements

(\*Cool-Elements laid outside with air temperature of 30°C)



- Cool-Elements were put in the constant temperature warehouse set to 30°C, and the sensor was measured directly on the surface of the Cool Elements.
- Cool Elements were frozen for 12 hours using a domestic refrigerator.
- The above-mentioned is a standard, and not a guaranteed value.
- The cooling time varies from outside air temperature, initial temperature of the object, kinds of container and other conditions.
- The cooling time increases to 2.5~3 times of the above-mentioned, if we put the cool elements inside a styro-foam box and the outside temperature around 18°C.
- We recommend to test the cool elements under the same situations and conditions of the real use.

## Instructions and directions for using

- Please store in a cold and dark place avoiding direct exposure to the sunlight.
- Though it is harmless, do not eat.
- It is manufactured under a strict quality control. In the case of leakage, please rinse with water and flow the contents by any chance.

## Method of freezing Cool-Elements

- Please take out Cool-Elements from the box and then put it in the refrigerator, trying to store them in a flat shape. Though it depends on the size, Cool-Elements will usually freeze completely in about 12~24 hours.
- In case of Freezing the Cool-Elements inside the box, please freeze them at least for ten days or more with the refrigerator. If it is necessary, open the holes located on the side of box just pushing lines for improving ventilation.
- Time until completely freezing is different according to the temperature of the refrigerator, the size of Cool-Elements, and the season, etc. Please have enough time for freezing Cool-Elements.

## Contents

- Catch-Cool : RO water, Superabsorbent polymer Anti-Bacterial properties, Stabilizer
- Power-Ice : RO water