

3M™ Humidity Indicator Cards (HICs) are printed with moisture sensitive spots which respond to various levels of humidity with a visible color change from blue to pink. The humidity inside dry packed barrier bags can be monitored by including an HIC inside. When the bag is opened, the card can be examined for proper dryness inside the bag. This indicates that the barrier bag and desiccant functioned correctly.

3M 4HIC100

4 Spot Humidity Indicator Card

Designed for dry packaging Surface Mount Devices. Monitors the most critical humidity range for SMD's. Color reference bar assists with accurate readings.

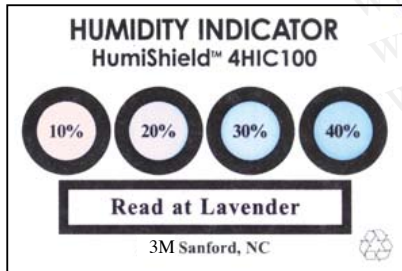
Card Size: 2" x 3"

Indicates: 10,20,30,40%

Packing: 100 cards in an air-tight can.

Standards

Complies with EIA 581, MIL-P-116, and MIL-I-8835.



Part Numbers

P/N	DESCRIPTION:
4HIC100	4 Spot Humidity Indicator Card 100/Can
6HIC200	6 Spot Humidity Indicator Card 200/Can
3HIC125	3 Spot Humidity Indicator Card 125/Can

3M 3HIC125

3 Spot Humidity Card

Popular for military applications, this card is approved for use by DOD, NATO, and governmental agencies for Method II packaging.

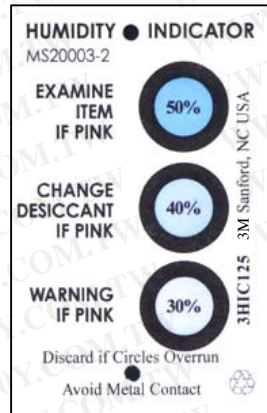
Card Size: 2"x 3"

Indicates: 30,40,50%

Packing: 125 cards in an air-tight can.

Standards

Complies with MS 20003-2, and MIL-P-116.



3M 6HIC200

6 Spot Humidity Indicator Card

Used in a variety of dry packaging applications, this card monitors humidity levels across the widest range.

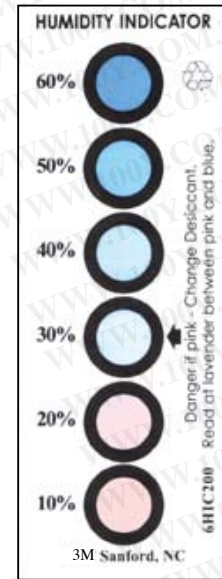
Card size: 1 9/16" x 4 3/4"

Indicates: 10,20,30,40,50,60%

Packing: 200 cards in an air-tight can.

Standards

Complies with EIA 581, MIL-P-116, and MIL-I-8835.



Specifications

Materials:

Accuracy:

Tolerance:

75°F.

Typical Values

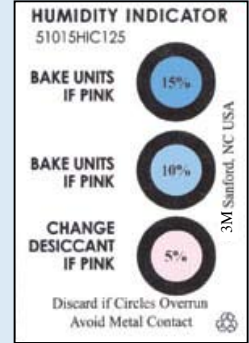
Blotting paper impregnated with cobaltous chloride.

Based on ambient temperature of 75°F.

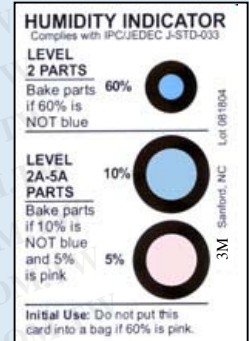
Approx. 2.5% for each 10°F away from

See all the 3M HICs online at www.3M.com/static

51015HIC125



51060HIC125



Humidity Indicator Cards

PRODUCT
HIC: 3 SPOT, 4 SPOT, 6 SPOT

ITEM NUMBER
SEE ABOVE

DATASHEET
1109-B

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P R O D U C T D A T A S H E E T

3M™ Humidity Indicator Cards (HICs) for IPC/JEDEC J-STD-033

IPC/JEDEC will soon release Revision B of the J-STD-033 standard for dry packaging surface mount devices. A new HIC will be required. This 5%, 10%, 60% card will have to meet the requirements of new IPC/JEDEC testing for observability and accuracy. 3M's 51060HIC125 will comply with revision B requirements.

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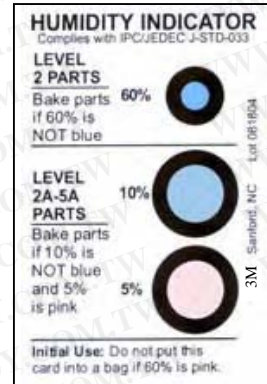
3M™ 51015HIC125

Meets 033 Revision A

This card meets the **IPC/JEDEC J-STD-033A** standard.
 Card Size: 2" x 3" inches
 Indicates: 5,10,15%
 Packing: 125 cards in an air-tight can.

Standards

Complies with IPC/JEDEC J-STD-033A.



3M™ 51060HIC125

Meets 033 Revision B

This card meets the future release of **IPC/JEDEC J-STD-033B** standard.
 Card Size: 2" x 3" inches
 Indicates: 5,10,60%
 Packing: 125 cards in an air-tight can.

Standards

Complies with future release of IPC/JEDEC J-STD-033B.

Specifications

Typical Values

Materials: Blotting paper impregnated with cobaltous chloride.
 Accuracy: Based on ambient temperature of 75°F.
 Tolerance: Approx. 2.5% for each 10°F away from 75°F.

Part Numbers

P/N	DESCRIPTION:
51015HIC125	5, 10,15 Spot Humidity Indicator Card 125/Can
51060HIC125	5, 10,60 Spot Humidity Indicator Card 125/Can

See all the 3M HICs online at www.3M.com/static

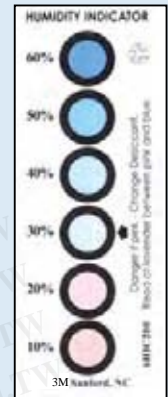
4HIC100



3HIC125



6HIC200



P R O D U C T D A T A S H E E T

Humidity Indicator Cards ~ IPC/JEDEC

PRODUCT
 HIC: 51015 SPOT, 51060 SPOT

ITEM NUMBER
 SEE ABOVE

DATASHEET
 7033-A

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