

サイズ

Cat.No.732 幅5mm×20m

Cat.No.7321 幅8mm×20m

Cat.No.7322 幅12mm×20m

Cat.No.7323 幅20mm×20m

Cat.No.7324 幅50mm×20m



基材をアルミにすることで表面が滑らかになり、低倍率から中倍率においては背景を気にすることなく観察することが可能になりました。また、ドリフトについても軽減され、より高倍率で微粒子などの観察がしやすくなるなど、従来品（不織布基材）と比べ品質改善されています。

表面は、導電性フィラーとしてカーボン粉を含んだ粘着剤ですので、黒色です。

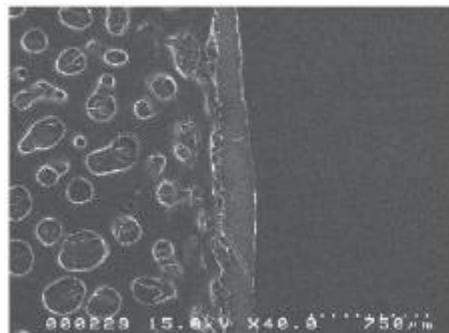
ただしアクリル系の粘着剤を使用しており、温度をかけると溶け出ることがあります。当製品は、常温下での使用を想定しております。

## ■テクニカル・データ

カーボン系両面テープ	
基材	アルミ
導電性フィラー	カーボン粉
厚さ合計	0.11mm
基材	0.03mm
粘着剤	0.040mm×2

※丸型カーボンシール、カーボン両面粘着シートも同様です。

※このデータは保証値ではありません。ご使用前にご確認ください。



### カーボン両面テープについて

SEM用カーボン両面テープ(アルミ基材・Cat.No.732~7324)は、導電性カーボン両面テープ(不織布基材・Cat.No.731~7314)をSEM観察用に仕様変更したものです。基材をアルミにすることで表面が滑らかになり、低倍率から中倍率においては背景を気にすることなく観察できるようになりました。また、より高倍率で微粒子などの観察がしやすくなり、ドリフトについても軽減されるなど品質が改善されています。

◆テープ表面のSEM比較写真(左:不織布基材 右:アルミ基材)

# Safety Data Sheet

Prepared/Revised on: April/01/2025

## 1. Information on the product and the company

Product name: Carbon conductive adhesive tape  
with nonwoven fabric core

Company name: Nisshin EM Co., Ltd.

Address: 23-9, Araki-cho, Shinjuku-ku, Tokyo 160-0007, Japan

Tel: +81-3-3355-3001

Fax: +81-3-3353-2888

Emergency tel: Same as above

## 2. Hazards identification

GHS Classification : Not applicable(Carbon conductive adhesive tape is Article)

**Pictograph or Symbol:** Nothing.

**Hazard Risk Statement:** Doubtful carcinogenicity.  
May cause damage to organs(central nervous system)  
Through prolonged or repeated exposure if inhaled.  
Toxic to aquatic life.

<b>Precautionary Statement:</b>	Obtain special instructions before use.
<b>Prevention</b>	<p>Do not handle until all safety precautions have been read and understood.</p> <p>Keep away from ignition sources such as heat/sparks/open flame-No smoking.</p> <p>Wash hands thoroughly after handling.</p> <p>Do not eat or smoke in service.</p>
	<p>In case of adverse exposure to vapour and/or Aerosols formed at elevated temperatures,</p> <p>Immediately remove the affected victim from Exposure. Administer artificial respiration</p> <p>If breathing is stopped. Keep at rest</p>
	<p>First aid is normally not required. Seek medical Attention if discomfort occurs.</p>

### 3. Composition and information on ingredients

Single chemical substance or compound: Compound

Generic name: Double-faced adhesive tape

Chemical characteristics (chemical formula, etc.): Not applicable

Components:

Components name	Content(wt.%)	CAS No.	Safety and Health Law(Japan)
Paper	2~12	-	Not applicable
Carbon Black	7	1333-86-4	Article 18-2, Attached Table 9-130 of Cabinet order ( 0.1 $\leq$ )
Acrylic resin	41~51	Not opened	Not applicable
Release Paper	35~45	-	Not applicable

#### **4. First-aid Measures**

In Case of Inhalation	: Remove to fresh air. Get medical attention if ill effects persist.
In Case of skin Contact	: Remove from skin and wash thoroughly with soap and water or waterless cleanser. Get medical attention if irritation or other ill effects develop or persist.
In Case of Eye Contact	: Immediately flush with water. Get medical attention.
In Case of Ingestion	: Get medical attention if ill effects persist.

#### **5. Fire-fighting Measures**

Extinguishing Media	: On large fires use chemical, foam or water spray. On small fires use carbon dioxide(CO2), dry chemical or water spray. Water can be used to cool fire exposed containers.
Specific Hazards during Fire	: Vapors are heavier than air and may travel to a source of ignition and flash back. Static electricity will accumulate and may ignite Vapors. Prevent a possible fire hazard by bonding And grounding or inert gas purge.
Specific Fire Fighting	: Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.
Protection for Fire-fighter	: Self-contained breathing apparatus and protective clothing Should be worn in fighting large fires involving chemicals. (CO, CO2, etc.,)

#### **6. Accidental release measures**

Personal Precautions	: Not applicable.
Environmental Precautions	: Not applicable.
Recovery	: Clean up waste and remaining material.

## 7. Handling and storage

### Handling

Technical measures	: Avoid skin and eye contact. Avoid breathing vapor.
Local and General Ventilation	: Please refer to section 8 Ventilation
Precautions	: Not applicable.
Safe handling advice	: Not applicable

### Storage

Technical measures and	: Static electricity will accumulate and may ignite vapors.
Storage conditions	Prevent a possible fire hazard by bonding and grounding or inert gas purge. Keep container closed and away from heat, sparks, and flame. Recommend to store in cool and dark place.
Packaging material	: Not established.

## 8. Exposure controls / Personal protection

### Engineering measures

Local ventilation	: Recommended.
General ventilation	: Recommended.

### Personal protective equipment

Personal protective equipment for routine handling	
Respiratory protection	: Use respiratory protection unless adequate local exhaust Ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.
Suitable respirator	: Unnecessary.
Hand protection	: Unnecessary.
Eye protection	: Use proper protection-safety glasses as a minimum.
Skin protection	: Unnecessary.

## **9. Physical and chemical properties**

Physical State	: Solid
Form	: Roll or Sheet

## **10. Stability and reactivity**

Possibility of Hazardous : Hazardous polymerization will not occur.

### Reactions

Hazardous Decomposition : No information available

Products (Excluding carbon-oxide, carbon-dioxide, water)

## **11. Toxicological information**

### Acute toxicity

Acute toxicity(oral)	: Not classified (No information available)
Acute toxicity(skin)	: Not classified (No information available)
Acute toxicity(inhalation:gas)	: Not classified
Acute toxicity(inhalation:vapour)	: Not classified
Acute toxicity(inhalation:dust, mist)	: Not classified (No information available)
Skin corrosion, irritation	: Not classified (No information available)
Serious damage, irritation for eyes	: Not classified (No information available)
Respiratory organ sensitization	: Not classified (No information available)
Skin sensitization	: Not classified (No information available)
Germ cell mutagenicity	: Not classified (No information available)
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified (No information available)
Specific target organ systemic toxicity (single exposure)	: Not classified (No information available)
Specific target organ systemic toxicity (repeated exposure)	: Not classified (No information available)
Aspirated respiratory hazards	: Not classified (No information available)

## **12. Ecological information**

Ecotoxicity

Environmental effects

Acute : Not classified (No information available)

Chronic : Not classified (No information available )

## **13. Precautions upon disposal**

Residual wastes: Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

## **14. Transport information**

International rules: Not applicable

United Nations classification and United Nations number: Not applicable

Precautions during transportation: Avoid water leakage and rough handling so as not to damage the packaging.

## **15. Regulatory information**

When you dispose at your company, or when you commission to disposal, please follow regulation of your own country.

## **16. Other information**

Handling of information contained herein: The safety data sheet offers reference information necessary for the safe handling of the dangerous and/or hazardous chemical products to the organizations that handle such products, which must use the information and recognize that appropriate measures should be taken, at their own responsibility. This data sheet itself does not guarantee safety.