

Adheres firmly, and can be peeled easily without tearing.

# Double-coated Adhesive Tape for Ease of Disassembling Household Electrical Appliances

## Features

- Contributes to the recycling of household electrical appliances.
- Available to difficult-to-adhere materials, such as ABS, PP, PCABS, and PSt.
- A product free of solvent ensuring user and environment friendliness with the emission of only a little quantity of volatile organic compounds (VOC).

## Overview

(Technical principles, actions, etc.)

The recovery of large-sized household electrical appliances has been already made mandatory in Japan. There is a tendency that similar arrangements will be made in various countries worldwide with an increase in the number of products to be recycled.

In many cases, used products are disassembled for the purpose of collecting recyclable parts from the products. Therefore, disassembly easiness is required from such products. Conventional double-coated adhesive tapes are designed only for the purpose of securing parts in position. These tapes may break off with the adhesive left on the parts when the tapes are torn off.

Nitto Denko's No. 5000E is an environment-friendly double-coated adhesive tape that is available to difficult-to-adhere materials, such as ABS, PP, PCABS, and PSt. Furthermore, this double-coated adhesive tape uses a new adhesion technology that allows the tape to leave only a little adhesive residue when the tape is peeled off, thus contributing to product recycling (see fig. 1).

Besides, the production processes of the tape do not use any solvent. Unlike conventional double-coated adhesive tapes, Nitto Denko's No. 5000E is a user- and environment-friendly product characterized by the emission of only a little quantity of VOC (see fig. 2).

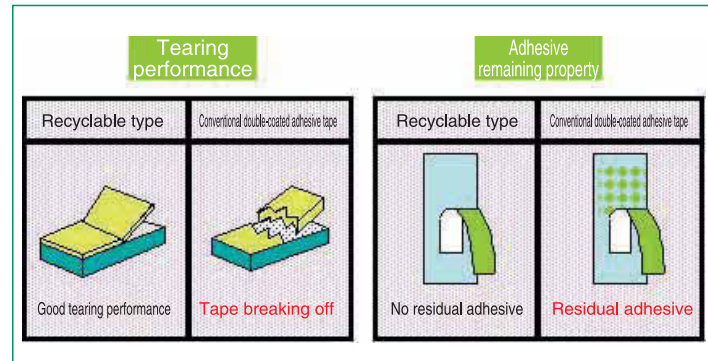


Fig. 1 No. 5000E

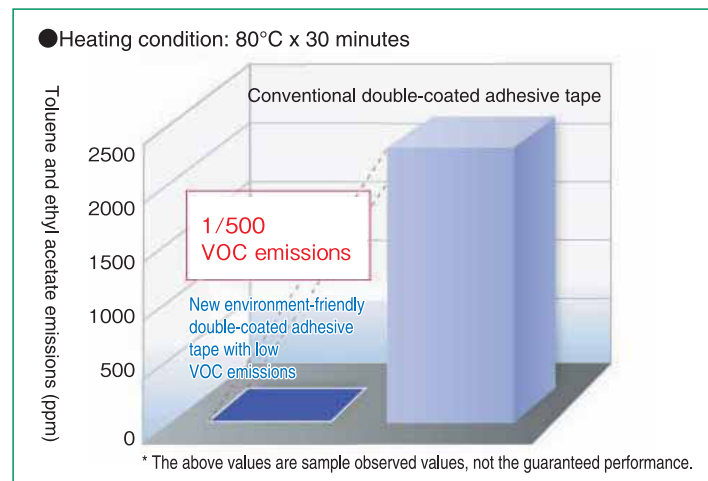


Fig. 2 VOC data

## Introductory Track Record

- Bonding of cushioning material for printers, copiers, and film components.
- Bonding of cushioning material for car audio systems.
- Bonding of foam material for household electric appliances and film components.

## Effects

- Refer to Overview (Technical principle, actions, etc.).

Applicable field  
Electronic equipment, household electrical appliances, printers, copiers, and toner cartridges

Water

Energy saving/Energy recovery

Energy storage/Energy creation

New energy

Waste disposal/  
Recycling/  
Resource saving

Air

Soil

Other

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