

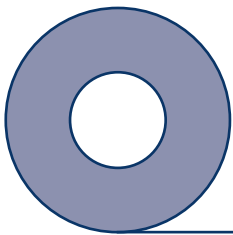
Product: **MC-2000**

Productgroup: **Bonding & Joining**

## General description

MC-2000 is a highly transparent double coated polyester tape for the use on visual display screens where light transmission is important.

## Construction



- Release liner: transparent PET (25 micron)
- Pressure sensitive adhesive.
- Polyester carrier (12 micron)
- Pressure sensitive adhesive
- Release liner: transparent PET (50 micron)

## Characteristics

Nitto MC-2000 is a PET based double-coated tape with an optical level of transparency which remains intact even after severe aging.

The acrylic adhesive assures a high reliability even at limited thickness. The use of two polyester release liners provides a very smooth adhesive layer without airbubble marks assuring clear visibility.

## Application

Nitto MC2000 is used to mount touch screens on supporting panels, mostly glass or PET, where transparency is required.

In the construction of membrane switches the tape is used to mount the visual display.

## Features

- high reliability
- very smooth adhesive layer
- the transparency remains intact
- clear visibility (optical clear)

## Technical Properties

### General physical properties

		Test method
Adhesive type	Transparent acrylic	
Tape thickness*	0.065 mm	NITTO 01B
Release liner type / colour	Transparent siliconised PET	
Release liner thickness	0.025 mm - 0.050 mm	NITTO 01G
Carrier type	Optical clear PET: 0.012 mm	
Adhesion to stainless steel	680 cN/20 mm	NITTO 15A
Cohesion to BA	0.1 mm	NITTO 62A

\* tape thickness = total tape thickness without liner

### Performance properties

Light transmission	
Visible light transmittance	92 %
Haze	1.5

### Application guidelines

- The surface to be bonded must be clean i.e. free of dust, release agents, processing oils and grease.
- The temperature of the application should not be below the dew point of the surrounding air.

Our technical center is always at your disposal for special application requests.  
Please contact us to make an appointment.

### Precautions

All products manufactured by NITTO EUROPE NV are guaranteed to be free from defect at the time of shipping when tested according to NITTO EUROPE NV product specifications. Properties of the products are susceptible to change due to various influences such as composition and condition of the substrate, impurities in or on the substrate, temperature and humidity of storage and the surrounding environment during application etc. When the NITTO product is used in combination with other material, the user shall assure by his own tests the compatibility of the NITTO product in the resulting combination and whether the combination results in the expected performance.

### Packaging and storage

The product should be protected against direct sunlight and extremes in temperature and humidity and stored upright in its original packaging. Once removed from its packaging, it should be protected against dust and other impurities.

### Test methods and results

The properties of these products are determined in accordance with NITTO test methods. Detailed description of these methods are available on request. The above figures are average values, established to our best knowledge, but not to be used for specification purpose.

Edition: November 2004  
Code: DS/08.01/E4 MC2000 ENG

Nitto Europe NV has obtained following certificates:

