

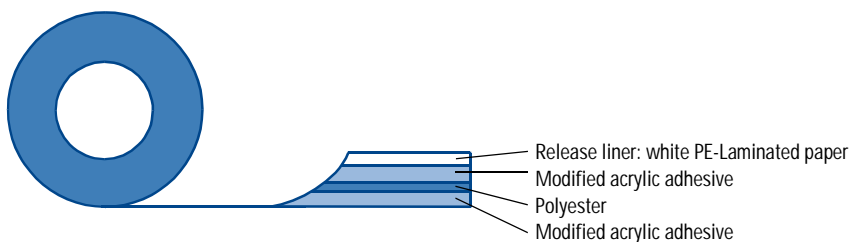
Product group **Bonding & Joining**

Product **D5331**

General description

Nitto double coated polyester tape D5331 consists of a modified acrylic adhesive, coated on transparent polyester suitable for a variety of mounting applications.

Construction



Characteristics

Nitto D5331 is a double-coated tape which combines excellent cohesion properties with good adhesion level on several substrates. The smooth coating profile of the adhesive on both sides of the carrier is ideal for use on thin metal or plastics. The dimensional stable liner limits humidity influences when used on big sheets.

Application

Nitto D5331 is suited for bonding together similar and dissimilar materials as plastics, metals and glass. Typical use for nameplates in membrane switches assembly, fine metals and decorative posters for marketing devices.

Features

- good adhesion on several plastic substrates
- smooth coating surface
- dimensional stable liner
- high cohesive properties
- available in bobbin shape

Technical Properties

General physical properties

		Test method
Adhesive type	Modified acrylic	
Tape thickness*	0.070 mm	NITTO 01B
Release liner type / colour	PE laminated paper	
Release liner thickness / weight	0.125 mm - 125 g/m ²	NITTO 01G - 05B
Carrier type	Polyester: 0.023 mm	
Release value	20 cN/50 mm	NITTO 37A
Adhesion to stainless steel	1100 cN/20 mm	NITTO 15A
Cohesion to BA	0.5 mm	NITTO 62A
Shear	600 N/4cm ²	NITTO 73A (BA steel)

* tape thickness = total tape thickness without liner

Performance properties

Adhesion	(test method: NITTO 15A)					
	2B steel	PC	PVC	PMMA	PET	PP
cN/20 mm	1200	900	1000	1100	1000	650

Cohesion	(test method: NITTO R&D)
Temperature resistance	175° C

WAPO	(test method: NITTO R&D)
PP (mm)	28 min
ABS (mm)	39 min
BA steel (mm)	5 min

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. The warmer the tape the better the adhesive will wet out and consequently the higher the immediate adhesion will be.

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 n.v. are guaranteed to be free from defect at the time of shipping when tested according to NITTO EUROPE n.v. 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.

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