

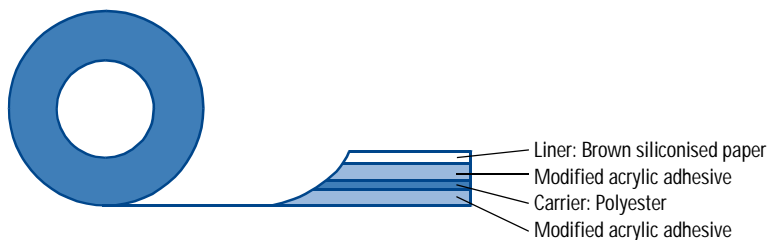
Product group **Bonding & Joining**

Product **D9605**

General description

Nitto double-coated tape D9605 with a polyester carrier coated with an aggressive acrylic adhesive used for mounting of different types of plastics.

Construction



Characteristics

D9605 is a double-coated tape with a high adhesion on different substrates such as plastics, even low surface energy materials, foams and metals. Rough surfaces will not cause any problems to be bonded due to the selected acrylic adhesive. The PET carrier provides a more stable and rigid tape, resulting in a reduced elongation and shrinkage.

Application

Nitto double-coated tape D9605 is ideal for continuous long-run mounting application of a variety of decorative strips in furniture industry (trim mounting). It is usable for mounting applications in sign and nameplate markets for marketing devices (P.O.S.-) or for mounting holders for price and identification labels on shelves.

Features

- high adhesion on different substrates
- high temperature resistance
- extreme high holding power
- provides a more stable, more rigid tape resulting in reduced elongation and shrinkage
- available in bobbin shape

Technical Properties

General physical properties

		Test method
Adhesive type	Modified acrylic	
Tape thickness*	0.220 mm	NITTO 01B
Release liner type / colour	Siliconised brown paper	
Release liner thickness / weight	0.075 mm - 85 g/m ²	NITTO 01G - 05B
Carrier type	Polyester: 0.050 mm	
Unwind force	10 cN/50 mm	NITTO 35A
Release value	40 cN/50 mm	NITTO 37A
Adhesion to stainless steel	2000 cN/20 mm	NITTO 15A
Cohesion to BA	1 mm	NITTO 62A
Shear	580 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	2000	2000	2000	2000	1800	1600

Cohesion	(test method NITTO R&D)
Hanging foam test	> 24h
Temperature resistance on PUR-foam	180 °C

WAPO	(test method NITTO R&D)
PP (mm)	6 min
ABS (mm)	5 min
BA steel (mm)	1 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.
- To ensure optimal anchorage of the tape to the foam attention should be paid to the lamination pressure, temperature and speed.

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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