

Product: **597A**

Productgroup: **Bonding & Joining**

General description

Nitto transfer tape 597A consists of a pressure sensitive modified acrylic adhesive. The reduced thickness and smooth coating surface makes this type especially suitable for nameplate and graphic overlays applications.

Construction



Characteristics

The 597A, thanks to its reduced thickness provides a good cohesion to a variety of thin materials (nameplates). Its smooth coating surface allows the bonding of fine plastics.

Application

The tape is designed for mounting of a variety of substrates such as metal and plastic nameplates, films, offset-blankets, textile labels, metal foils...

Features

- high adhesion
- high cohesion
- smooth coating surface

Technical Properties

General physical properties

		Test method
Adhesive type	Modified acrylic	
Tape thickness*	0.05 mm	NITTO 01E
Release liner type / colour	Siliconised brown paper	
Release liner thickness	0.08 mm	NITTO 01G
Carrier type	Transfer	
Unwind force	10 cN/50 mm	NITTO 35A
Release value	20 cN/50 mm	NITTO 36A
Adhesion to stainless steel	1000 cN/20 mm	NITTO 15A
Cohesion to BA	1.5 mm	NITTO 62A

* tape thickness = total tape thickness without liner

Performance properties

Adhesion		Test method: NITTO 15A				
	2B steel	PC	PVC	PMMA	PET	PP
cN/20 mm	900	1100	1250	1250	1250	750
Cohesion						
Hanging foam test	24 h					
Temperature resistance on foam	110 °C					
WAPO						
PP	10 mm					
ABS	20 mm					
BA steel	16 mm					

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 time.

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.

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Nitto Europe NV has obtained following certificates:

