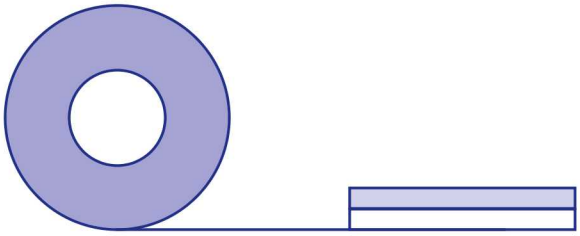
Product:	**D9500**
Product group:	**Baseless Tapes**

General description

Nitto D9500 transfer tape consists of a flame retardant pressure sensitive modified acrylic adhesive, intended for use as a general mounting tape where flame retardancy is required.

Construction



- Flame retardant modified acrylic adhesive
- PE coated paper release liner

Features

- flame retardant
- excellent holding power
- high adhesion
- adheres to a wide variety of substrates
- RoHS compliant (2002/95/CE)

Characteristics

Nitto D9500 is a unique transfer tape showing excellent adhesion and temperature resistance in combination with flame retardancy.

Its good adhesion on different foam types gives the product the possibility to be used in automotive and aerospace industries.

Application

Nitto D9500 transfer tape is designed to make flame retardant materials self-adhesive such as decorative laminates and foams for construction, automotive applications and ship building.

Flame retardancy must be evaluated in combination with the material on which it will be used.

Technical Properties

General physical properties

	Typical Value	Test Method
Adhesive type	Modified acrylic flame retardant	
Tape thickness*	0.05 mm	EN 1942
Release liner type/colour	Siliconised white PE coated paper (125 g/m²)	
Carrier type	None (baseless tape)	
Release Value	25 cN/50mm	Nitto Europe Test Method
Adhesion to BA steel	1500 cN/20mm	EN 1939
Static shear	0.5 mm/2h	EN 1943
Transport and storage conditions	Temperature 15 °C to 30 °C Relative humidity 40 to 75% RH	

* Tape thickness = Total thickness without liner
Details from the test methods are described on the customer product specification.

Performance properties

Adhesion in cN/20mm (EN 1939)							
	PVC	PMMA	PC	ABS	PP	PET	Glass
	1500	1300	1700	1300	250	800	1600
	PO foam - tear to substrate			PU foam - tear to substrate			
Weight Added Peel Off (WAPO) in mm/2h							
PP: 60	ABS: 60		BA: 5			2 h at 60°C, width 20mm, 100g	
Temperature resistance			165 °C			3 min. , 200 g/cm²	
Saft test (Shear Adhesion Failure Temperature) 170 °C						Temperature increase +0,5°C/min., 15x15mm, 200g	
Flammability			Burning time 7 sec Burning distance 70 mm			IEC60454_2 §20	

Warranty

The product is guaranteed to be free from defect in material and workmanship at the time of delivery and will be suitable for use for a period of 6 months thereafter, subject to the conditions set out herein.

Application guidelines

- Keep the tape in its original packaging until use.
- For optimum results, an even rub down pressure must be applied to the taped area to create the best possible adhesion between tape and the substrates.
- Remove the liner prior to usage.
- The tape should be applied to clean and dry surfaces.
- The best application conditions are obtained at a temperature between 15 °C and 40 °C.

If you require additional information on technical properties and application as well as product sampling or testing, please contact your local Nitto sales office.

General conditions of use and precautions:
The properties of the product might be adversely affected by various elements such as composition, condition and surface of and impurities in or on the substrate, temperature and humidity during storage and the surrounding environment at and after application and time of exterior use.
When the product is used in combination with another material or process, the user shall assure the compatibility of the product in such combination and whether this combination results in the expected performance. The same principle applies in the event of product use in extreme conditions or circumstances, whether at or after the moment of application, including extended exposure to sunlight or extreme temperatures and pressure.

Packaging, transport and storage:
During transport and storage the product should always be protected against direct sunlight and extremes in temperature and humidity and contained in its original packaging. Once removed from its packaging, it should be promptly applied and remain shielded from direct sunlight and extreme temperature as well as protected against dust and other impurities.

Liability:
Except for its wilful misconduct, Nitto Belgium's liability shall be limited to a replacement, a reimbursement or an additional delivery of the product, and shall not exceed the purchase price of the products. In no event shall Nitto be liable in respect of any indirect or consequential damages, including loss of profits.
The above limitations of liability shall equally apply if Nitto Belgium has assisted in any manner with the selection, treatment or application of the product.

Product information:
This datasheet provides a general description of the product properties and application scope. Full technical details in connection with this product are presented in the customer product specification, which is available upon request.

Please be advised that the information reflected in this datasheet is subject to change and the product described herein may be modified or discontinued without notice.

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This datasheet replaces all previous versions

Nitto Belgium NV has obtained following certificates:

- ISO 9001
- ISO 14001
- ISO/TS 16949

Please check our website for applicable scope

Nitto

For your local Nitto sales office, please visit our web site:
www.nitto.com

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