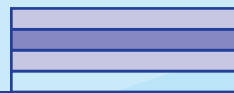
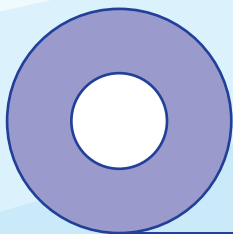


D9600

General description

Nitto D9600 is a double-coated tape with a flame retardant pressure sensitive modified acrylic adhesive and a PET carrier, intended for use as a general mounting tape where flame retardancy is required.

Construction



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

Characteristics

Nitto D9600 shows 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.

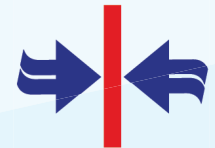
The PET carrier avoids stretching of thin substrates.

Application

Nitto D9600 is designed to make flame retardant materials self-adhesive such as decorative laminates and foams for applications in automotive, building and construction, shipbuilding and aerospace industries.

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

CORE FUNCTION



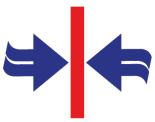
TO ADHERE

Features

- flame retardant
- excellent holding power
- high adhesion
- adheres to a wide variety of substrates
- easy process ability
- RoHS compliant (2011/65/EC, 2015/863)



Edition: January 2020
Code: DS/06.09/ D9600 ENG
This datasheet replaces all previous versions



Technical Properties

General physical properties

	Typical Value	Test Method
Adhesive type	Modified acrylic flame retardant adhesive	
Tape thickness*	0.100 mm	EN 1942
Release liner type/colour	Siliconised white PE coated paper (125 g/m ²)	
Carrier type	Transparent polyester (0.012 mm)	
Release value	20 cN/50mm	Nitto Belgium Test Method
Adhesion to BA steel	1500 cN/20mm	EN 1939
Static shear	1.0 mm/3h	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.

CAUTION: The above are typical values and should not be used in writing specifications.

Performance properties

Weight Added Peel Off (WAPO)		2h at 60 °C, width 20mm, 100g	
PP 23 mm/2h	ABS 19 mm/2h	BA 6 mm/2h	
Soft test (shear adhesion failure temperature)		130 °C	+0.5 °C/min, 15x15mm, 200g
Dynamic shear		250 N/4cm ²	Tested after 15min, 300mm/min
Flammability		time 5sec / distance 5mm	IEC 60454-2§20
Adhesion		EN 1939	
PVC 1900 cN/20mm	ABS 1800 cN/20mm	Glass 1800 cN/20mm	
PMMA 1900 cN/20mm	PP 700 cN/20mm	PU foam 500 cN/20mm	
PC 1900 cN/20mm	PET 800 cN/20mm	PO foam 350 cN/20mm	

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, 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.

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

Nitto Belgium NV has obtained following certificates:

- ISO 9001
- ISO 14001
- IATF 16949

Please check our website for applicable scope

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