

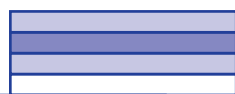
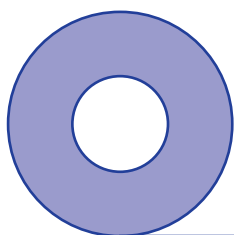
Product: **D9600**

Product group: **Double Coated Tapes**

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.

Features

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

Technical Properties

General physical properties

	Typical Value	Test Method
Adhesive type	Modified acrylic flame retardant	
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)	
Adhesion to BA steel	1500 cN/20mm	EN 1939
Release value	20 cN/50mm	Nitto Europe Test Method
Static shear	1.0 mm/3h	EN 1943
Transport and storage conditions	Temperature 15 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	PU-foam	PO-foam	
1900	1900	1900	1800	700	800	1800	500	350	
Weight Added Peel Off (WAPO)						2 h at 60°C, width 20mm, 100g			
PP 23 mm/2h		ABS 19 mm/2h		BA 6 mm/2h					
Dynamic Shear		250 N/4cm ²		Tested after 15 min., 300mm/min.					
Soft test		130 °C		0,5°C/min., 200g, (15x15)mm ²					
Flammability		Time 5 sec		Distance 5 mm				IEC 60454-2 §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.

Edition: September 2013
Code: DS/10.10/E4 D9600 ENG
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