

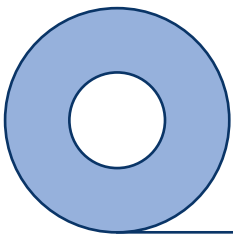
Product: **509A**

Productgroup: **Bonding & Joining**

General description

Nitto repulpable double-coated tape 509A consists of a non-woven tissue carrier, saturated with a water-soluble pressure sensitive adhesive. This is an ideal product for automatic flying splices.

Construction



- Repulpable adhesive: green
- Non-woven tissue
- Repulpable adhesive: green
- Siliconised blue paper

Characteristics

Nitto 509A has an extremely high tack resulting in excellent splicing properties, even at low temperatures. The high heat resistance keeps the splice intact during drying processes. The tape resists humidity for a limited period of time, though its repulpable characteristics. The rigid siliconised liner allows easy tearing of the excess paper in the splice area.

For storage, the tape is hermetically sealed in plastic bags, to maintain constant moisture content.

Nitto 509A passes repulpability test by TAPPI Method UM213.

Application

Nitto 509A is suitable for splicing operations at high speed with automatic roll change in paper- and printing industries. The product can be used on off-coaters, sheeters, "flying pasters" and "zero-speed splicers".

Features

- extremely high tack
- excellent splicing properties
- high heat resistance
- easy tearing of the excess paper in the splice area
- repulpable according to TAPPI Method UM231

Technical Properties

General physical properties

		Test method
Adhesive type	Repulpable acrylic: green	
Tape thickness*	0.100 mm	NITTO 01B
Release liner type / colour	Blue siliconised glassine paper	
Release liner weight	100 g/m ²	
Carrier type	Non-woven	
Release value	15 cN/50 mm	NITTO 36A

* Tape thickness = Total thickness without liner

Performance properties

		Test method
Adhesion on carton	720 cN/20 mm	NITTO 15B
Heat resistance	200 °C	
Repulpability (tape)	Excellent	NITTO 108A
Splicing tack level (Scale: D1509A= 10)10		

Application guidelines

- For optimum results, an even rub down pressure must be applied to the taped area to create the best possible adhesion between the tape and the web surface.
- Remove the liner prior to splicing.
- Avoid overlap of the adhesive. Use the right combination of tape and labels for your splice pattern.

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.

Edition: November 2004
Code: DS/08.01/D1 509A ENG

Nitto Europe NV has obtained following certificates:

