NITTO PRODUCT INFORMATION

Ref. No. 5035K-D03-E 06'88

NITTO No.5035K
Corrugated Board Liner Splicing Tape

NITTO Double-coated Adhesive Tape No.5035K is spcifically developed for use in splicing paper. It provides excellent initial tack at low temperature and low pressure and stable performance all the year.

1. Construction

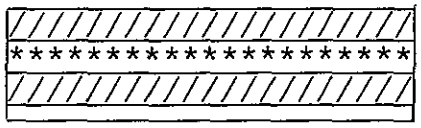


Fig. 1

2. Features

1) Provides good bondability at low temperatures.
2) Provides good bondability at low pressure.
3) Provides good bondability to paper.

3. Uses

1) For splicing corrugated board liners
2) For splicing printing paper webs

4. Standard Sizes

Table 1

Thickness (mm)		Standard Width (mm)	Length (m)
Tape	Liner		
0.12	0.09	38, 40, 45, 50, 65, 75, 100	50

5. Properties

5.1 General Properties

Table 2

Properties \ Sample	No.5035K	No.5035	Competitive Item
Thickness (mm)	0.12	0.16	0.12
Adhesion (g/20mm)			
1st face	600	1100	940
2nd face	600	1150	1000
Holding strength (mm)			
1st face	1.8	1.2	90 min.*
2nd face	1.6	1.0	73 min.*

* fell down

Test method: 1) Thickness: measured by 1/100mm dial gauge
2) Adhesion: to stainless steel
pulling rate...300 mm/min.
3) Holdijng strength: to Bakelite at 40°C,
500g/10mm x 20mm, 2hrs.

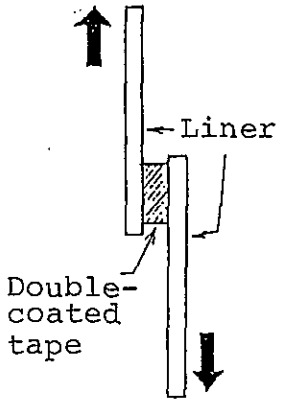
5.2 Shear Strength

The shear strength to K liner (basis weight: 320g/m^2) is as shown in Table 3.

Table 3 (kg/20mmx20mm)

Measuring temperature \ Sample	No.5035K	No.5035	Competitive Item
0°C	2.6	3.3	1.5
20°C	3.0	4.8	3.0
40°C	4.0	4.5	4.0
60°C	3.5	4.2	3.8

Test method: 1) Sample size
Tape : 20mm x 20mm
Liner: 25mm x 80mm
2) Bonded by applying a 5kg roller once in each direction
3) Pulling rate: 300 mm/min.
4) After aged at each temperature for 4 hrs., the shear strength was measured in that atmosphere.



5.3 Bondability to Corrugated Board Liner

Table 4

Liner / Sample		K Liner			Water-repellent Liner		
Measuring Temp.	Bonding Load	No.5035K	No.5035	Compt. Item	No.5035K	No.5035	Compt. Item
0°C	0.25kg	G	PP	PP			
	0.5	E	PP	PP			
	1	E	P	P	PP	PP	PP
	2	E	F	F	P	PP	PP
	5	E	G	G	F	PP	PP
20°C	0.25kg	E	G	G			
	0.5	E	E	E			
	1	E	E	E	P	PP	PP
	2	E	E	E	F	PP	PP
	5	E	E	E	G - F	PP	P
40°C	0.25kg	E	E	E			
	0.5	E	E	E			
	1	E	E	E	G	F	F
	2	E	E	E	E	G	G
	5	E	E	E	E	E	E

Test method: After corrugated board liner, tape and rubber roller are conditioned at each temperature for 24 hrs., in taht atmosphere, the tape is bonded to the liner by the rubber roller. Immediately after bonding, the liner is peeled out and the surface of the liner is checked for damage.

Criteria:
- E : After removal of tape, the whole area on the liner surface was damaged.
- G : About 40% of the surface was damaged.
- F : Clear tape trace, sure resistance to peeling
- P : Little tape trace but resistance to peeling
- PP : Little tape trace, no resistance to peeling

6. Precautions

1) Remove dust from the surface of the substrate.
2) This tape should be stored in a cool and dark place, away from direct sun.

NOTE: Technical data figures presented herein are typical and should not be used for any specification purposes.