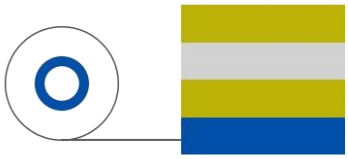
F6®

Product Data Sheet
Ningbo Yongliu New Material Technology Co.,Ltd

F501A

Water Based Tissue Paper Double Sided Tape

Composition:



Water Based Acrylic Pressure Sensitive Adhesive
Tissue Paper
Water Based Acrylic Pressure Sensitive Adhesive
Release Paper

Applications:

- For general adhesion to metal sheets, plastic sheets, urethane foam bodies, etc.
- Bonding of membrane switch and duct seal of air conditioner.
- General industrial use such as automobile, electronic product, nameplates, etc.

Features:

- Good aging resistance and low VOC & odor free.
- Good adhesive strength for various substrates including metals and plastics.
- High adhesion with good balance of holding power and tack.
- Passed RoHS, CA65, SVHC , V/W205 Test.

Standard Size

Total Thickness (without release liner)	0.12mm
Liner thickness	0.11mm
Width	10mm-1240mm
Length	50m-200m

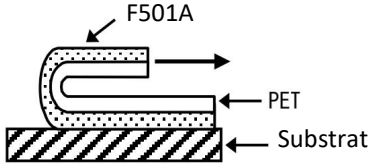
Technical Data (average values)

·Backing material	Tissue paper
·Color	White
·Type of adhesive	Acrylic Pressure Sensitive Adhesive
·Temperature resistance range	-20℃-120℃
·Temperature resistance short term	120℃
·Temperature resistance long term	100℃
Before Aging	
·180℃ Peel / Stainless Steel	≥16N/25mm
·Loop Tack	≥ 26#
·Holding Power	0.3mm/hr
·High Temperature Holding Power （80℃）	2.0mm/hr
After Aging(120 hrs)	
·180℃ Peel / Stainless Steel	≥18.5N/25mm
·Loop Tack	≥ 28#
·Holding Power	0.3mm/hr
·High Temperature Holding Power （80℃）	1.9mm/hr

※**Anti-aging conditions:**
[80° C/60%RH×12hrs⇒ -10° C/60%RH×12hrs⇒25° C/60%RH×6hrs] ×4 cycles

180 Degrees of Peeling Adhesion （Before Aging）	
Substrate	**Avg. Test Values**
Stainless Steel	16N/25mm
ABS	18N/25mm
PC	25N/25mm
PE	6N/25mm
PVC	26N/25mm
PP	18N/25mm

Unit:N/25mm
Sample Width:25mm
Backing Material: PET film
Application Condition:
3 pass back and forth with a 2.5kg roller
Peeling Speed: 300mm/min
Peeling Angle: 180 °
Measurement Temperature: 23℃/65%RH



VOC+Fogging Test	
Parameter	**Test Result**
VOC value 1	10,7
VOC value 2	10,6
Fog value	90,2

Unit: ug/g
Substrate: Aluminium foil
Test Specimen: 200cm²
Application Condition:
● The protection foils were removed from both sides
● lamination of both adhesive surfaces with an inert aluminium foil.
● Conditioned in this state for 7 days
Measurement Condition:
(23±2)℃/ (50±6) % RH

Odor Test at Different Temperatures	
Test Temperature	**Grade**
23℃	2,0
40℃	2,5

Unit: grade
Substrate: Aluminium foil
Test Specimen: 200cm²
Application Condition:
● lamination of the adhesive surface with an inerted aluminium foil.
● Conditioned in this state for 7 days
Measurement Condition 1:
(23±2)℃/(24±1) h
Measurement Condition 2:
(40±2)℃/(24±1) h

Temperature-Humidity Bias Life Test		
Item	**Test Condition**	**Test Result**
High Density Foam	50kg/m³	No peel off、No warping
Holding Time	2hrs	

Sample Size: 50mm*100mm
Application Condition:
3 pass back and forth with a 2.5kg roller
Peeling Speed: 300mm/min
Measurement Temperature: 85℃
Measurement Humidity: 85%RH
Measurement Temperature: 85℃
Measurement Time: 2 hrs

Storage:

- Please be sure to keep the tape in its box when not using.
- The ideal application temperature range is 20℃ to 40℃.
- Keep in a cool and dark place away from direct sunlight.

Test Method:

In accordance with GB/T 4851-1998 method.

Shelf Life:

12 months when stored in original carton at 23° C and 65% relative humidity

Note:

- Remove all oil, moisture and dirt from the surface of the substrate before applying.
- Make sure the product is suitable for the application (objective and conditions) before attempting to use.

DISCLAIMER
• The above information is believed to be reliable and accurate but is presented without a guarantee on our part. • F6 Adhesive Tape gives no warranty as to the fitness of the above product for any particular purpose and any implied warranty or condition statutory or otherwise. • It is recommended to make a trial before any bulk usage. • Use in combination with another method of joining if there is possibility of an accident.

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