

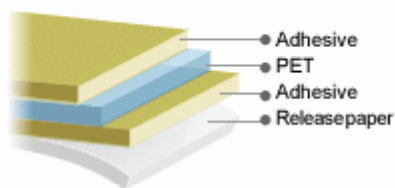
Water proof & Impact force resistant type double coated tapes

UT2600ML series

Features

- Adhesive tape with lower environmental impact with UV curable manufacturing method (non solvent adhesive coating process).
- High impact force resistance.
- Excellent water proof performance.

Structure



	UT2620ML	UT2625ML	UT2630ML
Main component	Acrylic	Acrylic	Acrylic
Carrier	PET	PET	PET
Color	White	White	White
Adhesive thickness (μm)	About 200	About 250	About 250
Release paper thickness (μm)	About 150	About 150	About 150
Bonding strength (N/304mm ²) ※	175	155	137
St'd size (width & length)	500mm × 50M	500mm × 50M	500mm × 50M

※ Push strength

Suitable use

- Ideal for bonding top plates and housings of cellular phones.

Technical data

1. Temperature resistance

UT2600ML series	
Short Term	120°C
Long Term	90°C



2. Drop Impact test

<Test piece condition>

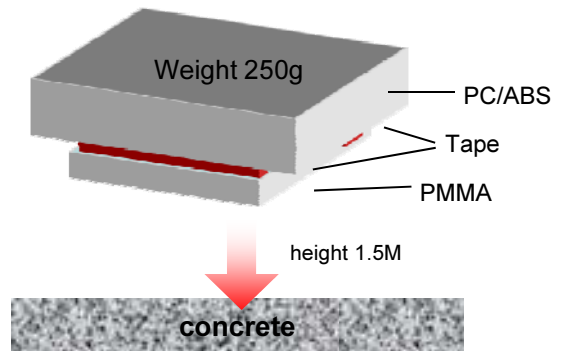
Substrate: PC/ABS plate 100×50mm×2mm

PMMA plate 50×25mm×2mm

Total Weight 300g = Weight 250g on the sample.

Tape size: 1mm×50mm×2 (100mm²)

Measurement condition: RT, 0°C



[Drop the sample from 1.5M height, and confirm the sample of delamination]

[Left at Measurement condition for 1hr. And take a sample out of a each condition and drop]

< Test data >

OK=No peeling

		RT	0°C
Drop impact test	UT2620ML	OK	OK
	UT2625ML	OK	OK
	UT2630ML	OK	OK

3. Water proof test

<Test piece condition>

Substrate: ABS plate 45×65mm×1mm

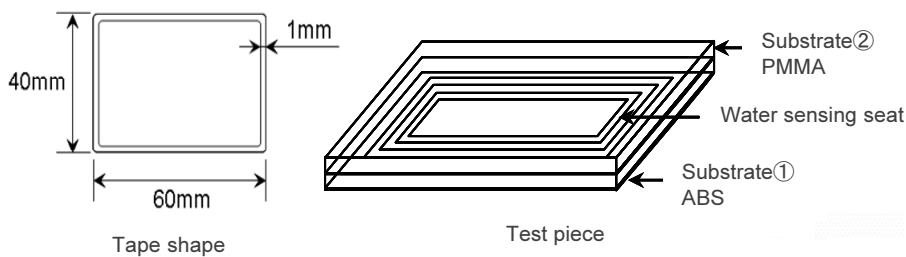
PMMA plate 45×65mm×1mm

Bonding area: 40×60×1mm

Measurement condition: Sink in tap water(40°C) and apply pressure (equivalent of 10M depth)

Judge by water sensing seat

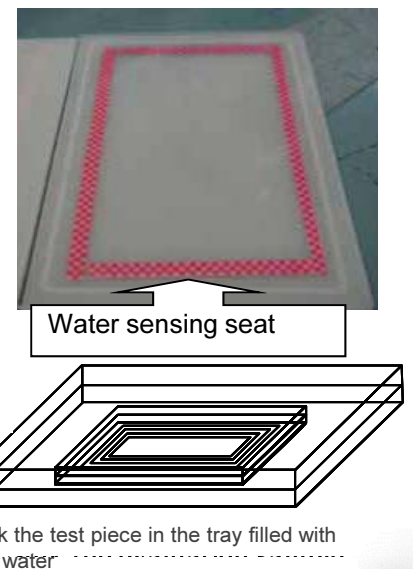
*Evaluation level: Equivalent of IPX7 or more



< Test data >

<Water proof test>

		30min.	60min.
Water proof test	UT2620ML	OK	OK
	UT2625ML	OK	OK
	UT2630ML	OK	OK



4. Push strength

<Test piece condition>

Substrate①: PC・ABS plate 100 × 50mm × 5mm (30φ hole)

Substrate②: Printed Glass plate 50 × 50mm × 3mm

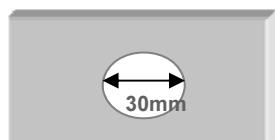
Bonding area: 2mm width 40mm × 40mm

Bonding condition: One stroke with 2kg roller

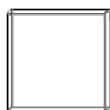
Measurement condition: RT

Push speed: 20mm/min

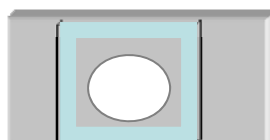
[Left at RT for one hour before measurement]



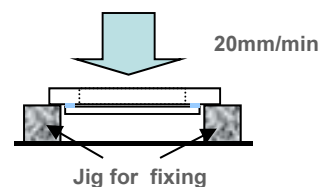
Substrate①



Substrate②



Bond with adhesive tape



< Test data >

(N)

	UT2620ML	UT2625ML	UT2630ML
Push strength	175	155	137

5. VHT test

<Test piece condition>

Substrate①: ABS plate 50 × 50mm × 4mm

Substrate②: PMMA plate 40 × 40mm × 1mm

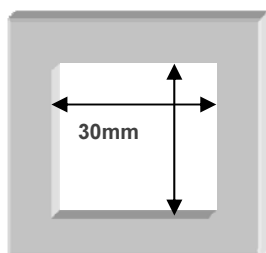
Bonding area: 40mm × 1mm × 2 lines

Bonding condition: One stroke with 2kg roller

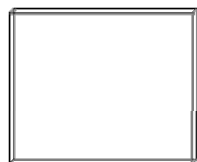
Measurement condition: 60°C95%RH

Weight: 50gf

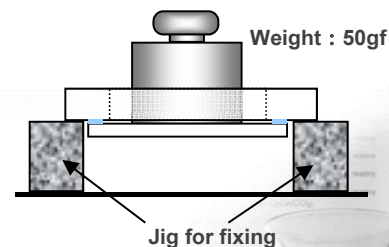
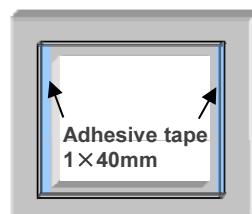
[Left at RT for 24hours, and then at 60°C95%RH for 48hours]



Substrate①ABS :
50 × 50 × 2 mm



Substrate②PMMA:
40 × 40 × 1 mm



<VHT test >

< Test data >

OK=No drop or peeling

		UT2620ML	UT2625ML	UT2630ML
VHT test	48 hours	OK	OK	OK

6. Anti-repulsion test

<Test piece condition>

Substrate①: PC・ABS (2.0 × 50 × 100mm)

Substrate②: PMMA (2.0 × 50 × 100mm)

Tape size : 1.5mm Width × 100mm

2.5mm Width × 100mm

Repulsion force: 450gf 2mm thickness sponge

Bonding condition: One stroke with 2kg roller

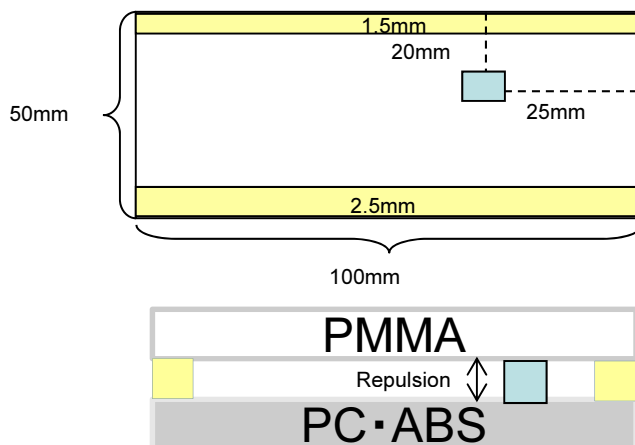
Test condition : 65°C/80%

[Left at RT for one day before measurement.]

OK=Non delamination, NG=Delamination

< Test data >

		UT2620ML	UT2625ML	UT2630ML
Anti-repulsion test	1h	OK	OK	OK
	3h	OK	OK	OK
	5h	OK	OK	OK
	8h	OK	OK	OK
	12h	OK	OK	OK
	24h	OK	OK	OK



7. Holding power at different temperatures

<Test piece condition>

Substrate: Stainless steel plate (SUS304)

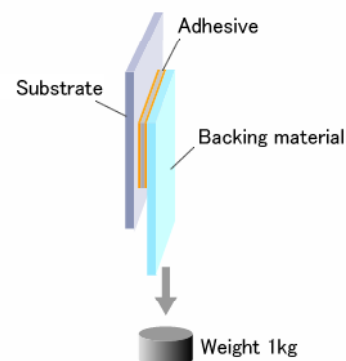
Bonding area: 25mmx25mm

Bonding condition: One stroke with 2-kg roller

Backing material: 25μm PET film

[Left at RT for one hour and then at each temperature for 30 minutes before measurement]

[Measure creep length after one hour application of 1-kg load at each temperature]



< Test data >

		40°C	100°C
Creep length (mm)	UT2620ML	0.2	0.2
	UT2625ML	0.2	0.4
	UT2630ML	0.2	0.4

<Holding power test>



Note on the characteristic data given— Data on the characteristics of the products described in this catalog are based on the results of evaluations carried out by the company. This does not guarantee that the characteristics of the product conform with your usage environment. Before use, review the usage conditions based on evaluation data obtained from the equipment and substrates actually used.

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