

ORIBAIN BPW 6595

1. Features

ORIBAIN BPW 6595 is a middle-adhesion, two-component, water-based, emulsion-type acrylic adhesive for film label.

2. Specification

	Main agent < BPW 6595 >	Hardener < BXX 6477-T >
Appearance	Light yellowish emulsion	Light yellow emulsion
Non-volatile content	51.5±1.0 %	40%
Viscosity	5500±500 mPa·s	-
pH	8.0 ± 0.5	-

Viscometer: Brookfield, spindle No.4, 60 rpm at 25°C

3. Performance

Test Item: Measurement			Value
Peel strength [N/25mm]	23°C-50%RH 30min dwell	SUS	8.0
		PE	5.5
		K-liner	3.5
		PVC	7.7
	40°C-dry 7days dwell	SUS	8.0
		PE	5.4
		K-liner	4.7
		PVC	7.6
Holding Power [mm/70,000sec]	23°C-50%RH -1Kg	SUS	> 70,000sec
Ball Tack (J. Dow Method) [#]			7

< Sample Preparation Conditions >

Release paper	: Polyester laminated glassine paper separator
Substrate	: Synthetic paper
Mixing rate	: 100 g of BPW 6595 / 1.1 g of BXX 6477-T
Coating method	: Transfer coating
Coating weight	: approx. 15g/m ² (dry)
Drying:	: 105°C for 120 seconds in hot air oven
Aging	: After coating, 23°C-50%RH, 7 days

4. Handling and Storage

Storage : Store indoors at 5-40°C. Avoid direct sunlight and freezing.

Handling : Use protective equipment such as rubber gloves to prevent direct skin contact with the sample.

* The general description, recommended uses, application data and statements in the product literature and label are guidelines only. Users should test this product in advance to verify suitability for particular uses.

5. General Test Methods

< Peel strength >

Leave the sample and adherend under the test conditions for at least 30 minutes. Then, apply the sample to the adherend and press with a 2kg roller back and forth once before measuring. Measure Peel strength using a tensile tester, pulling at 180 degrees at 300 mm/min.

Sample size	:	25mm width × 100mm length
Adherend	:	SUS plate, PE plate, K-liner, PVC plate
30min	:	Measure after 30min in test conditions
40°C-dry	:	Measure after 7 days in 40°C-dry
Test conditions	:	23°C-50%RH

< Holding Power >

Apply the sample to the adherend and press with a 2kg roller back and forth once at 23°C and 50% RH. Leave the applied sample for 20 minutes under test conditions, then apply a 1kg load and measure the time to fall or the creep distance.

Sample size	:	25mm width × 100mm length
Test area	:	25mm width × 25mm length
Adherend	:	SUS plate
Test conditions	:	23°C-50%RH
weight	:	1Kg

< Ball Tack (J. Dow Method) >

Roll a steel ball (1/32-32/32 inches) down a 30-degree inclined plane with a 10cm approach run onto a 10cm section of the adhesive surface. The ball size that stops near the center of the adhesive surface is recorded as the result. Conduct the test under conditions of 23°C and 50% RH.