TOYO CHEM CO., LTD.
TEL：03-3272-0940
https://www.artiencegroup.com

ORIBAIN　BPW 6111B

1. Features

ORIBAIN BPW 6111B is a high-adhesion, one-component, water-based, emulsion-type acrylic adhesive for paper label.

2. Specification

	Product name ＜ **BPW 6111B** ＞
Appearance	Light yellow emulsion
Non-volatile content	59.5±1.0 %
Viscosity	4500±600 mPa･s
pH	7.5 ± 0.5

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

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3. Performance

Test Item: Measurement				Value
Peel strength［N/25mm］	23℃-50%RH -1Kg	SUS	Immediately	21.2
			24hrs	22.0
		PE	Immediately	13.0
			24hrs	14.1
Holding Power［mm/70,000sec］	40℃-1Kg	SUS		＞70,000sec
Ball Tack (J. Dow Method)　［#］				7

＜**Sample Preparation Conditions**＞

Release paper	:	Polyester laminated glassine paper separator
Substrate	:	Woodfree paper
Coating method	:	Transfer coating
Coating weight	:	approx. 25g/m² (dry)
Drying:	:	105℃ for 75 seconds in hot air oven
Aging	:	After coating, 23℃-50%RH, 1 days

4. Handling and Storage

Storage : Store indoors at 5-40℃. 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.

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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
30min	:	Measure immediately after applying
40℃-dry	:	Measure after 24hrs in test condition
Test conditions	:	23℃-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	:	40℃-dry
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.