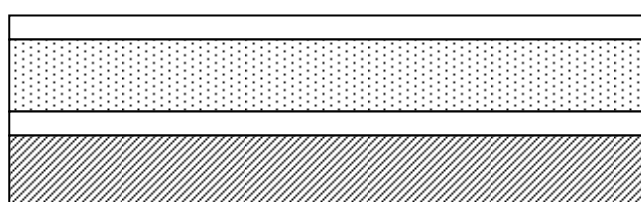


3M™ VHB™ Joining Product Y-4816 Series

1. Product Description:

VHB™ Joining Products are double coated acrylic foam tapes with acrylic pressure sensitive adhesive on both sides. Y-4816 series is very thin type in VHB™ product portfolio. This series is very suitable for mobile device applications where thinner bonding area, excellent drop shock resistance and high water/dust sealing abilities are required.

2. Construction:



Acrylic Adhesive

Acrylic Foam

Acrylic Adhesive

Paper Liner

3. Advantages:

1. Very thin
2. Excellent drop shock resistance
3. High water/dust sealing ability (IPX7, IP5X accomplishable)
4. Good resistance for spring back force

4. Physical Properties:

Products No.		Y-4816-015	Y-4816-02
Color		White	
Thickness	Tape (mm)	0.15	0.20
	Liner (mm)	0.08	0.08
Foam Density (g/cm ³)		0.86	

Test Method

Thickness: Using thickness gauge with caliper foot of 5mm diameter (JIS S 0237-2009)

5. Adhesion Properties:

Products No.	Y-4816-015	Y-4816-02
90 Degree Peel Adhesion (N/cm)	18	22
T-Peel Adhesion (N/cm)	16	17
Dynamic Shear Strength (N/cm ²)	272	252

Test Method

90 Degree Peel Adhesion:

Tape between stainless steel and anodized aluminum foil, Roll down twice in each direction using 10kg steel roller. 72 hours dwell at room temperature. Testing speed 300 mm/min

T-Peel Adhesion:

Using anodized aluminum foil. Roll down twice in each direction using 10kg steel roller.

72 hours dwell at room temperature, Testing speed 300 mm/min

Dynamic Shear Strength:

To stainless steel, Roll down twice in each direction using 10kg steel roller.

72 hours dwell at room temperature. Testing speed 300 mm/min

6. 90 Degree Peel Adhesion to Various Substrates:

Products No. Substrates	Y-4816-015	Y-4816-02
Stainless Steel (304BA)	18	22
Acrylic	16	19
ABS	16	18
PC + ABS	17	19

Test Method

Tape between substrate and anodized aluminum foil

Roll down twice in each direction using 10kg steel roller.

72 hours dwell at room temperature.

Testing speed 300 mm/min

7. Other information:

1. Clean up oil, water and dust on the substrates before application
2. Applying pressure (more than 5kg/cm²) and dwelling (more than 72 Hrs) are recommended
3. Over 15 C is recommended for operating temperature
4. Primer can be use for some materials which is difficult to adhere
5. Recommended storage condition is lower than 30 C and lower than 70% RH, without direct sun light

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カスタマーコールセンター

製品についてのお問い合わせはナビダイヤルで

 **0570-011-511**

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 **0120-282-369**