Dexerials

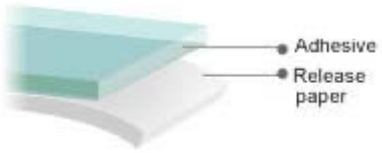
Technical Data Sheet

Acrylic foam type strong adhesive tape 09C11-800（UT9080）

Features

- Adhesive tape with lower environmental impact with UV curable manufacturing method (non solvent adhesive coating process).
- Maximum bonding strength is about three times as strong as G series (the conventional company products). Excellent adhesion to plastic and metallic surfaces.
- It is possible to correspond to the deformation of substrate due to flexibility and stretching properties. Stable bonding performance under a wide range of temperature environments, from low to high temperatures.

Structure



	09C11-800(UT9080)
Main component	Acrylic
Carrier	–
Color	White
Adhesive thickness（μm）	About 800
Release paper thickness（μm）	About 145
Bonding strength（N/20mm）※	69
St'd size (width & length))	1000mm × 25m

※ 90° Peeling strength

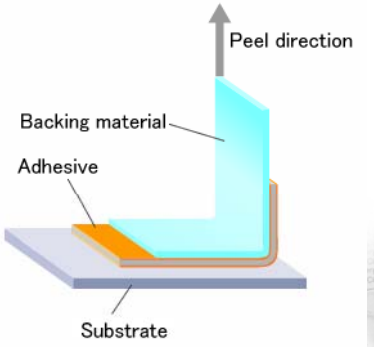
Suitable use

- It is suitable for bonding plastic and metallic parts such as front panels of large electric equipments.
- It is suitable for home appliances such as TV set.

Technical data

1.Bonding strength on various type of substrate (90° peeling)

＜Test piece condition＞
Tape width：20mm
Bonding condition：One stroke with 2kg roller
Measuring condition：23℃±5℃ 60%±20%RH
Peeling speed：300mm/min
Backing material：50μm SUS foil
[Left at RT for one hour before measurement]



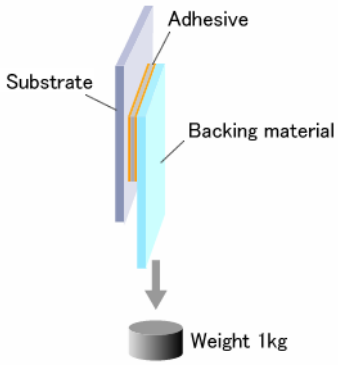
＜ 90° Peeling strength test ＞

＜Results＞

（N/20mm）

Substrate	SUS	Glass	Ceramic print	SECC	ABS	PC/ABS	Acrylic
90° Peeling strength	69.0	78.0	56.0	40.0	33.6	31.6	30.0

2. Holding power under at 60℃



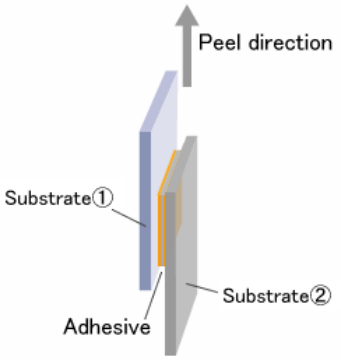
＜Holding power test＞

＜Test piece condition＞
Bonding area：25mm × 25mm
Bonding condition： One stroke with 2kg roller
[Measurement after it leaves it for 30 minutes under each temperature in one hour]
[Creep length after one hour application of 1kg load]

＜Results＞

Measurement temperature		60℃
Creep length (mm)	SUS	0.3
	Glass	0.3
	Ceramic print	0.3

3. Shear strength on various type of substrate



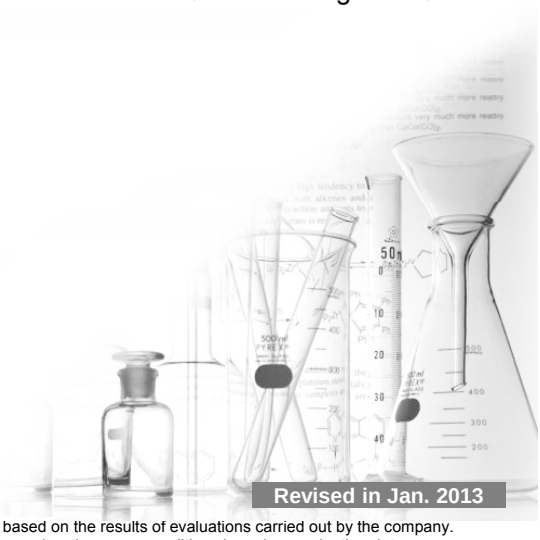
＜Shear strength test＞

＜Test piece condition＞
Substrate①：JISR3202 glass、Ceramic print（each t3.0 × 30 × 100mm）
Substrate②：SECC（t2.0 × 30 × 80mm）
Bonding area：20 × 20mm
Bonding condition：23℃±5℃、pressure：0.2MPa（2kgf/cm²）、time：3sec
Measuring condition：23℃±5℃,60%±20%RH
Peeling speed：10mm/min
[Left at RT for one hour before measurement]

＜Results＞

（N/400mm²）

Substrate	①	Glass	Ceramic print
	②	SECC	SECC
Shear strength		225	245



Revised in Jan. 2013

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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