

Hot melt film

M-49



Weasy

Technical Data Sheet

Product Description



* Weasy Hot-melt film is an environmental-friendly, high performance thermal bonding film, excellent long-lasting adhesion to a variety of substrates such as various plastics, fabrics, metals, glass etc at a wide temperature range (such as -30°C to 85°C). And therefore the series of products provide an easy and reliable solution to the assembly of electronics parts and lamination of flexible substrates. Our hot melt film has a full range of products for different purposes and we are at your service at any time.

Typical physical properties

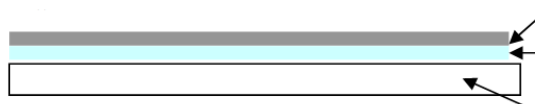
Components:	Mixture of thermoplastic polymer materials
Color :	Amber
Thickness of film (fluctuation range):	0.05, 0.1, 0.15, 0.2 mm (+/- 0.01mm)
Solid content:	100%
Softening point, $^{\circ}\text{C}$ (ring&ball method) :	117
viscosity (cps@ 200°C) :	32120
storage temperature ($^{\circ}\text{C}$) :	10-30

Typical adhesive properties (shear force ASTM D1002, speed of peeling: 2.5mm/m)

Backing	Shear force (N/ square inch)
Aluminum to Aluminum	3100
Stainless steel to Stainless steel	2600
Aluminum to PC	2600
Aluminum to ABS	3100
Nylon to Aluminum	3100
ABS/ PU	3300

Use of equipment and methods:

heating roller

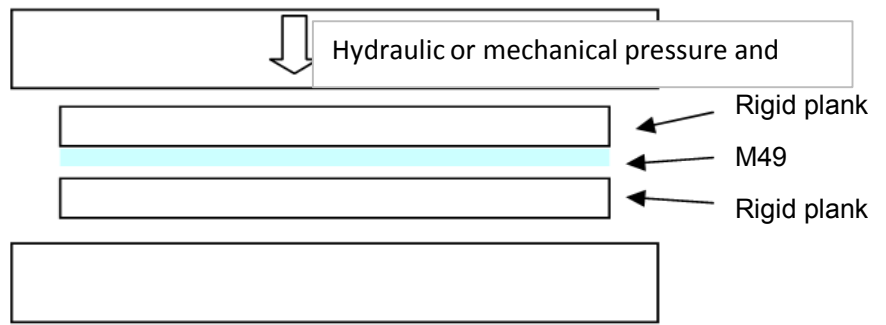


Be flexible thin layer

M49

Glued sheet

a. Flexible thin layer and bonding plate

Use of equipment and methods:

b. Rigid plate bonding

Equipment and methods used in order to be able to heated to about 120C for film and can guarantee full access to the sticky material subject.

- * 1.Flexible material (such as leather, textiles) ,to heat roller pressure together as well. ---Pic a
- * 2. For rigid materials, Static pressure with heating together well.---Pic b
- * 3.The temperature to be decided according to actual situation and equipment environment, operating temperature above are for reference.

Safety cautions

- * 1. Hot melt is not poisonous at room temperature, but burns at elevated temperature and therefore proper safety cloths, glove and safety glasses must be worn properly .
- * 2. Once burned, washing using large amount of water(donot try to remove the hot melt from body immediately when it is hot). Send to hospital ASAP.

Storage:

- * First-in-first-out.
- * Store in cool, dry place without sunshine.
- * Storage life: 2 years from the date of making.

The above data and the statement are based on our best knowledge and experiments. And it is for reference only. We do not guarantee the suitability of our above-mentioned product(s) for your specific uses. It is a must that the users conduct proper tests to ensure the suitability of our product for users' specific purposes before practical uses.

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