



tesa HAF® 58469

제품 정보

10µm black reactive structural bonding film

제품 설명

tesa HAF® 58469 is a reactive heat activated structural bonding film based on phenolic resin and nitrile rubber. This black double sided tape has no backing. It is protected by PET liners.

It is activated by heat and pressure applied during the assembly process.

특성

- Extremely high performance, even on small bonding areas and thin design gaps
- Reliable and ageing-resistant bonds
- Very low oozing ratio
- Suitable for long-term applications that are exposed to heavy stress
- Free of halogen and compliant with current ROHS standards

Applications

tesa HAF® 58469 is especially recommended for bonding of metal components to metal surfaces or heat resistant plastics, e.g. SUS or AL to PI, PMMA or ABS:

- Constructive bonding inside electronic devices
- FPC bonding
- Button fixation
- Camera lens and bezel mounting
- Bonding of decorative metal components

Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

제품 구조

- | | | | |
|----------|-----------------|-------|-------|
| • 기재 소재 | 없음 | • 총두께 | 10 µm |
| • 점착제 종류 | 니트릴고무 /
페놀수지 | • 컬러 | 검정 |
| • 이형지 종류 | PET | | |

속성 / 성능 값

- | | | | |
|---------------|---------------------|---------------|---------------------|
| • 점착력 (동적 전단) | 6 N/mm ² | • 점착력 (푸쉬 아웃) | 9 N/mm ² |
|---------------|---------------------|---------------|---------------------|

추가정보

Technical recommendations:

관련제품 최신자료는 다음의 경로를 클릭하세요 <http://l.tesa.com/?ip=58469>



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추가정보

tesa HAF® is not self adhesive. It is activated by heat and pressure over a certain interval. The following values are recommendations for bond line parameters to start with.

1. Pre-lamination:

During pre-lamination, the adhesive tape is laminated onto the first substrate. This step does not affect the shelf life time of the adhesive tape. Pre-laminated components can be stored over the same period of time as the adhesive tape.

setting:

- Temperature¹ 95-120 °C
- Pressure² 2-6 bar
- Time 3-10 s

2. Bonding:

Remove the liner from tape after pre-lamination step. Place the pre-laminated part onto the second substrate. Apply sufficient temperature while applying pressure for the bonding time to reach sufficient bonding strength.

setting:

- Temperature¹ 120-250 °C
- Pressure² 5-30 bar
- Time 5-180 s

Temperature, pressure and time will depend upon the type and thickness of the substrates. Generally, thicker substrates or lower bonding temperatures will require longer bonding times. To achieve optimum performance a cooling step (while applying pressure) directly after the bonding step is recommended.

¹ 'Pre-lamination' and 'Bonding' temperature refer to the data that is measured in the bond line.

² 'Pre-lamination' and 'Bonding' pressure refer to the force that is transformed from jig surface directly to the bonding area.

Bonding strength values were obtained under standard laboratory conditions. (Material: etched aluminum test specimen / bonding conditions: temperature = 180 °C; pressure = 10 bar; time = 7 sec).

To reach maximum bonding strength surfaces should be clean and dry. Storage conditions according to tesa HAF® shelf life concept.



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공지사항

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