

tesa® HAF 8490

Heat activated film

PRODUCT INFORMATION

Product Description

tesa® HAF 8490 is a thermosetting single-sided adhesive film (brown) that is based on phenolic resin and nitrile rubber. It has a white cotton fabric carrier.

At room temperature, tesa® HAF 8490 is not tacky. It is activated for pre-lamination by heat and becomes tacky at 90°C. In a second application step heat and pressure is applied over a certain period of time.

Type of liner

Shelf life time (packed) < 5°C</p>

Shelf life time (packed) < 15°C</p>

Shelf life time (packed) < 25°C

After curing, tesa® HAF 8490 reaches a very high bonding strength, high temperature stability and excellent chemical resistance. Because of the rubber components, HAF 8490 remains flexible and elastic.

tesa® HAF 8490 can easily be slit and die-cut.

Main Application

It is suitable for bonding of all thermal resistant materials such as metal, glass, plastic, wood and textiles.

Technical Data

Backing material

Color

Total thickness

Type of adhesive

Tensile strength

cotton fabric

amber

315 µm

12.4 mils

nitrile rubber / phenolic res

90 N/cm

51.4 lbs/in

Additional Info

Processing:

1. Pre-lamination:

tesa® HAF 8490 is laminated before curing. For this process we recommend a temperature between 90 °C and 110 °C.

2. Bonding:

The bonding conditions temperature, pressure and time depend on the application. Following parameters can be regarded as a quideline:

Splicing application:

• Temperature: 120°C - 200°C

Pressure: > 2 bar

• Time: 15 sec - 90 sec

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

Note: Bonding strength values were obtained under standard laboratory conditions (Mean values). Value is guaranteed clearance limit checked with each production batch (Material: Etched aluminium test specimen / Bonding conditions: Temp. = 120 °C; p = 10 bar; t = 8 min)

For latest information on this product please visit http://l.tesa.com/?ip=08490

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tesa tape, inc.

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tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, expressed or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to advise you.

none

18 months

15 months

12 months