

tesa® HAF 8412 ACF

45µm Anisotropic conductive heat activated adhesive film.

Product Description

tesa® HAF 8412 ACF is an anisotropic conductive, heat activated, brown adhesive film based on reactive phenolic resin and nitrile rubber containing conductive particles.

Product features:

- Anisotropic conductivity
- Mechanical module embedding and electrical connectivity in one step
- Good workability on all common implanting lines
- Suitable for PVC, ABS, PET and PC cards
- Good ageing resistance
- Thickness: 45 µm (mean value of particle size)

Application Fields:

• tesa® HAF 8412 ACF is designed for the embedding of chip-modules into dual interface smart cards for non-contact and contact based applications..

Technical Information (average values)

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

Product Construction

Color **amber**

Total thickness **50 µm**

Type of adhesive type: **nitrile rubber / phenolic resin**

Type of liner type: **glassine**

Properties / Performance Values

Activation temperature **120 °C**

Contact resistance z-direction **200 mOhm**

Bonding strength **4 N/mm²**

