



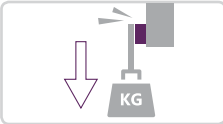
Technical data sheet

Total thickness (carrier + adhesive): **0.10mm**



BS FIRM 100 DS

| | |
|-----------------------|--------------------------------|
| Main carrier: | TRANSPARENT RIGID PVC FILM |
| Secondary carrier: | - |
| Main liner: | HAVANA SILICONE GLASSINE PAPER |
| Secondary liner: | - |
| Open side adhesive: | NATURAL RUBBER |
| Closed side adhesive: | NATURAL RUBBER |





Adhesive properties

| | | | | | |
|---------------------------------|---|-------------|-----|---------|--------------------|
| Peel 180° on steel |  | Open side | 11 | M.U. | Method |
| | | Closed side | 11 | N/25 mm | BS 34 - AFERA 5001 |
| Rolling ball test |  | Open side | 7 | M.U. | Method |
| | | Closed side | 7 | Cm | BS 12 - PSTC-6 |
| Quick stick on steel |  | Open side | 12 | M.U. | Method |
| | | Closed side | 12 | N/25 mm | BS 6 - AFERA 4015 |
| Shear on steel |  | Open side | 100 | M.U. | Method |
| | | Closed side | 100 | Hours | BS 68 |

Temperature resistance

| | | | |
|-------------------|---|-----|----------|
| Long term |  | 70° | M.U.: °C |
| Short term |  | 70° | M.U.: °C |

Mechanical properties

| | | | | | |
|---|---|------|------|---------|------------|
| Tensile strength at break Longitudinal |  | Min. | Max. | M.U. | Method |
| | | 130 | 190 | N/mm2 | ASTM D 882 |
| Tensile strength at break Transversal |  | Min. | Max. | M.U. | Method |
| | | 40 | 80 | N/mm2 | ASTM D 882 |
| Elongation at break Longitudinal |  | Min. | Max. | M.U.: % | Method |
| | | 52 | 97 | | ASTM D 882 |
| Elongation at break Transversal |  | Min. | Max. | M.U.: % | Method |
| | | 150 | - | | ASTM D 882 |

Note: All above information are believed to be true and reliable but they are given only for guidance. They do not constitute a warranty or a specification. The characteristics refer to average values, relevant to samples collected from our production. Users must confirm the suitability of the products through their own tests. BiesSse Tape reserve the right to introduce at any moment and without warning those changes that they deem necessary. Tolerance of Technical Data: ± 30%

Technical data sheet

Total thickness (carrier + adhesive): **0.10mm**

BS FIRM 100 DS

Description

The product is made up of a calibrated thickness transparent rigid PVC film carrier and a havana silicone glassine paper liner.

The natural rubber adhesive system (wet-style), on both sides, provides high adhesion performances.

Ideal for good quality printing at an affordable price.

Applications

Ideal for Wide Web flexo printing of flexible packaging material and Narrow Web printing of labels, when cushioning is not required.

Recommended for medium and high thickness photopolymer plates.

Ideal for mounting on steel cylinders and suitable also on compressible sleeves.

This adhesive tape is also used in production and fixing of channel creasing matrix in corrugated cardboard pre-mounting operations.

Product PLUS

The flat liner surface provides best adhesion level.

Recommendations for correct use

Storage

For a proper storage of the product we recommend to keep the product in the original package until it is needed and use it within 12 months from delivery.

The storage shall be carried out at a room temperature between 15°C and 27°C, and a relative humidity < 60%.

Once removed from the packaging, place the product vertically and protect it from dust. Do not expose product and packaging to direct sunlight and heat sources.

Surface cleaning

The product shall be applied on sufficiently flat surfaces and with no non-stick coating.

In order to obtain a correct product adhesion level on surfaces, it is indispensable that the surfaces are properly cleaned before the application. It is recommended to use quick-evaporating solvents.

After cleaning make sure that the solvent has completely evaporated, by waiting for a sufficiently long period of time or by drying the surface with a completely dry cloth.

Application

As adhesive tape is pressure-sensitive, it is necessary a proper pressing pressure on the back of the tape, once applied on the surface, to ensure the grip of the adhesive and a full lamination.

Measuring tolerances

The tape cutting width tolerance can vary within a range of ± 0.7 mm. Tighter tolerances for specific formats and measures can be available on request.

Disposal

It is recommend to dispose the product after use according to the specific regulations of the country it was used in.

For additional information, please refer to our Technical Office:
info.tapes@biesSseworld.com
+39 02 90 11 11 18