

**TECHNICAL SPECIFICATION**Ref. **TSi 19040 en**

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**Product AC THERMAL ECO H 80 - ADF01 - GL62Y**

|                 |  |
|-----------------|--|
| <b>Face</b>     | <b>THERMAL ECO H 80</b><br>White woodfree paper with a thermosensitive coating, producing a black image. The surface is not additionally protected against environmental and chemical impact.  |
| <b>Adhesive</b> | <b>ADF01</b><br>All temperature permanent adhesive. Suitable for labelling to flat surfaces, application temperature to -5 °C. It is ideal for applications to food, beverages and in medicine. It is also suitable for labelling fresh fruit and vegetables. The adhesive may come into direct food contact and is in accordance with the EC directive 85/572/EEC - ISEGA accreditation 27997 U 09. |
| <b>Backing</b>  | <b>GL62Y</b><br>Yellow, siliconised glassine paper.  |

|                              | <b>Method</b>      | <b>Unit</b>      | <b>Typical values</b> |
|------------------------------|--------------------|------------------|-----------------------|
| <b>Face</b>                  |                    |                  |                       |
| Grammage                     | ISO 536            | g/m <sup>2</sup> | 80                    |
| Thickness                    | ISO 534            | µm               | 88                    |
| Tensile strength MD          | ISO 1924-3         | kN/m             | 6,0                   |
| Tensile strength CD          | ISO 1924-3         | kN/m             | 3,8                   |
| Smoothness Bekk              | ISO 5627           | s                | 240                   |
| Opacity                      | ISO 2471           | %                | 92                    |
| Optical density              | GretagMacbeth D19C |                  | 1,30                  |
| Imaging colour               |                    |                  | black                 |
| Thermal printing speed       |                    | mm/s             | max. 200              |
| <b>Adhesive</b>              |                    |                  |                       |
| Peel adhesion (20 min, LDPE) | FTM 1              | N/25 mm          | 4                     |
| 'Loop' tack (glass)          | FTM 9              | N/25 mm          | 8                     |
| Min. application temperature |                    | °C               | -5                    |
| Service temperature          |                    | °C               | -20 to 80             |
| <b>Backing</b>               |                    |                  |                       |
| Grammage                     | ISO 536            | g/m <sup>2</sup> | 62                    |
| Thickness                    | ISO 534            | µm               | 55                    |
| Tensile strength MD          | ISO 1924-3         | kN/m             | 6,5                   |
| Tensile strength CD          | ISO 1924-3         | kN/m             | 3,0                   |
| Transparency                 | DIN 53147          | %                | 51                    |
| <b>Laminate</b>              |                    |                  |                       |
| Grammage                     | ISO 536            | g/m <sup>2</sup> | 159                   |
| Thickness                    | ISO 534            | µm               | 149                   |
| Low speed release force      | FTM 3              | cN/25mm          | 7                     |

**Applications and use**

Main applications: labels for supermarkets, shipments, bar-codes, food products, etc.

**Converting and Printing**

Suitable for all printing techniques. UV flexo and water-based flexo are recommended. Converting temperature should not exceed 50 °C.

**Shelf life**

Two years when stored at 22 °C and 55 % RH.

All information is based on our existing knowledge and experience. Given properties are typical values. As the products are used for different applications we recommend checking product suitability prior to use.