

**TECHNICAL SPECIFICATION**

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**Product AC THERMAL ECO H 80 - APE01 - GL62Y**

<b>Face</b>	<b>THERMAL ECO H 80</b> 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>APE01</b> Acrylic based, permanent adhesive with high peel and tack characteristics, suitable for application on problematic clean and dry substrates such as cardboard, wood or plastics. Excellent performance during slitting, high speed matrix-stripping and automatic labelling. Approved for indirect food contact.
<b>Backing</b>	<b>GL62Y</b> 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	6
'Loop' tack (glass)	FTM 9	N/25 mm	13
Min. application temperature		°C	0
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>	161
Thickness	ISO 534	µm	150
Low speed release force	FTM 3	cN/25mm	8

**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.