

**TECHNICAL SPECIFICATION**

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**Product AC THERMAL TOPB R 75 - ADF01 - GL62Y**

<b>Face</b>	<b>THERMAL TOPB R 75</b> Top-coated thermal paper of standard sensitivity. Topbarrier and backbarrier protect the products against external influences (e.g. water, alcohols, fats, plasticizers, scratches, etc.). The image is black.
<b>Adhesive</b>	<b>ADF01</b> 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> 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>	75
Thickness	ISO 534	µm	76
Tensile strength MD	ISO 1924-3	kN/m	5,5
Tensile strength CD	ISO 1924-3	kN/m	2,5
Smoothness Bekk	ISO 5627	s	min. 1000
Opacity	ISO 2471	%	89
Optical density	GretagMacbeth D19C		1,40
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>	155
Thickness	ISO 534	µm	138
Low speed release force	FTM 3	cN/25mm	8

**Applications and use**

Main applications include barcode labels for prepacked food and industrial barcoding where a high level of image resistance is required.

**Converting and Printing**

Suitable for all printing techniques. We recommend UV flexo and water-based flexography. 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.