

TECHNICAL SPECIFICATION

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Product AC THERMAL TOPB R 75 - APE01 - GL62Y

Face	THERMAL TOPB R 75 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.
Adhesive	APE01 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.
Backing	GL62Y Yellow, siliconised glassine paper.

	Method	Unit	Typical values
Face			
Grammage	ISO 536	g/m ²	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
Adhesive			
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
Backing			
Grammage	ISO 536	g/m ²	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
Laminate			
Grammage	ISO 536	g/m ²	158
Thickness	ISO 534	µm	141
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.