



HIGH PERFORMANCE FLAT HEAD WAX RESIN

PRODUCT DESCRIPTION

This grade is one of the best performing flat head technology wax resin grades on the market and offers an excellent all round high performance for printing dark, crisp images and barcodes on a wide range of paper and synthetic labels, with the durability and smudge/scratch resistance expected of such a premium product. Developed specifically to cover the widest possible range of synthetic materials and coated papers, this grade offers the highest level of durability and performance from a flat head technology wax resin grade. This grade has been developed to print at low energy levels allowing for higher print speeds. It has also been used very successfully as a replacement grade for the world's leading wax resin grade, Ricoh B110A.

RECOMMENDED SUBSTRATES

Coated/uncoated paper & tag stocks, synthetic paper, polyethylene, polypropylene, polyolefin, gloss paper, flood-coated paper, UV varnished labels

PERFORMANCE PROPERTIES

PRINT SENSITIVITY



HEAT RESISTANCE



ABRASION RESISTANCE



SOLVENT RESISTANCE



LABEL ADAPTABILITY



LOW

MEDIUM

HIGH

TYPICAL APPLICATIONS



PHARMACY



SHELVING



LOGISTICS



RETAIL



GENERAL



INVENTORY



PRODUCT ID



RFID



HORTICULTURE



NUMBER PLATES



SHIPPING



SIGNAGE



HIGH PERFORMANCE FLAT HEAD WAX RESIN

PERFORMANCE CHARACTERISTICS

- High levels of print durability
- Prints on a wide variety of substrates from uncoated papers to mid-range synthetic films
- Dark, dense images for reliable printing
- Prints at high speeds delivering crisp, rotated barcodes
- Dissipates static
- Heat resistant up to 120°C on certain materials
- Features enhanced printer performance
- Meets BS5609 standards with certain label materials
- Excellent replacement grade for Ricoh B110A

Flat Head Technology Grades*

Premium Wax Best choice for general purpose labelling
High Performance Wax General purpose labelling with extra durability
Premium Wax Resin Great print performance with very good durability
High Performance Wax Resin Great print performance with excellent scratch resistance
Premium Resin Extra scratch resistance on synthetic labels
Premium Textile Resin Excellent print on textiles with wash resistance

*These ribbon grades are for use with flat head technology printers. We also offer ribbons grades for near edge technology printers and thermal transfer coders.

RIBBON SPECIFICATIONS

DESCRIPTION	TECHNICAL
BASE FILM CARRIER	4.5 Micron Polyester
TOTAL RIBBON THICKNESS	6.8 Microns +/- 0.02
INK TYPE	Wax/Resin (flat head technology)
COLOUR	Black
INK MELTING POINT	75°C
DENSITY	1.8

RIBBON STORAGE CONDITIONS

DESCRIPTION	TECHNICAL
TEMPERATURE	5°C to 35°C (41F to 95F)
HUMIDITY	10% to 85% relative humidity
LIGHT	Avoid direct sunlight

CERTIFICATIONS AND APPROVALS

DESCRIPTION	TECHNICAL
ISO 9001:2015 & ISO 14001:2015	All ribbons have been manufactured to these international quality standard
RoHs/WEEE	EC directives 2012/19/EU and 2011/65/EU, compliance to the limitation of dangerous substances in electrical and electronics equipment
HEAVY METALS	94/62/EC & 2011/65/EU
TSCA/CP 65	The ribbon does not contain any of the substances on this list
AMES TEST	The ribbon is not mutagenic, does not cause DNA modifications
EC DIRECTIVES	1999/45/EC and 2001/59/EC. This ribbon does not contain any substance classified as dangerous for health
FOOD CONTACT	1935/2004/EC
REACH/SVHC	Does not contain any of the SVHCs listed - 1907 / 2006/EC
DISPOSAL	To be disposed of as mixed industrial waste

This information is the best available on the above ribbon grade. These results should, however, only be regarded as a general guide to material properties and is not a guarantee.

