

PREMIUM FLAT HEAD RESIN

PRODUCT DESCRIPTION

This super high performance resin grade is manufactured using innovative ink technology to offer an excellent solution on the widest range of receiver materials. Traditionally, applications requiring maximum durability have required the possible use of various grades of resin ribbon. With this grade most applications, including steam resistance, can be met with one single resin product.

This grade combines low print energy with fast speeds to give crisp, dark prints on receiver materials extending from coated paper through to high end synthetics making it an extremely versatile product. It is also UL recognised/CSA approved and can be confidently specified with a wide range of proprietary label brands. This grade also offers the advantage of being Halogen free making it an ideal product for use in industries which have banned the use of Halogens.

RECOMMENDED SUBSTRATES

Coated paper, synthetic paper, polyolefin, polyester, polypropylene, polyethylene, Vinyl

PERFORMANCE PROPERTIES

PRINT SENSITIVITY

9

HEAT RESISTANCE

8

ABRASION RESISTANCE

9

SOLVENT RESISTANCE

7

LABEL ADAPTABILITY

9

COMPLIANCE CERTIFICATIONS



REACH



RoHS2.0



UL/CSA



ISO



MSDS

TYPICAL APPLICATIONS



AUTOMOTIVE



OUTDOOR



HEALTHCARE



SHRINKWRAP



GENERAL



EXTREME ENVIRONMENTS



SIGNAGE



CHEMICAL DRUM



ASSET TRACKING



CIRCUIT BOARD



ELECTRONIC COMPONENTS



AGENCY



PREMIUM FLAT HEAD RESIN

- Low printhead energy required for a resin ribbon
- Excellent durability for chemical & industrial applications
- Extensive abrasion, steam and heat resistance (heat resistant up to 300°C)
- Halogen free
- Resistant to a wide range of chemicals and solvents
- Print quality at high speeds up to 152 mm/sec
- Excellent print definition for clean, durable and dense barcodes
- UL/CSA approved



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

*The above grades are for use with flat head technology printers. We also offer grades for near edge technology printers and thermal transfer coders. We offer further specialist resin ribbon formulations for textile printing with wash resistance, resistance to high heat, chemicals and solvents. Please consult our made to measure range for more information.

RIBBON SPECIFICATIONS

DESCRIPTION	TECHNICAL
BASE FILM CARRIER	4.5 Micron Polyester
TOTAL RIBBON THICKNESS	6.5 Microns ± 0.3
INK TYPE	Resin (flat head technology)
COLOUR	Black
INK MELTING POINT	100 ± 3 °C
DENSITY	2.01

RIBBON STORAGE CONDITIONS

DESCRIPTION	TECHNICAL
TEMPERATURE	5°C - 35°C (41F - 95F)
HUMIDITY	20% - 80% 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 standards
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 and should only be regarded as a general guide to material properties and not a guarantee.