




ADVANTAGE range TDR380

PREMIUM TEXTILE FLAT HEAD RESIN

PRODUCT DESCRIPTION

This premium resin grade has been specially developed to meet the requirements of the textile printing market. It is a highly durable wash care resin that provides an excellent printing quality of very small text, large characters, logos, and all types of barcodes. It is suitable for printing onto various materials such as nylon, polyester, acetate, rayon, and other synthetic fibres which are present in today's market. The printed image will have great resistance to heat, water and industry solvents allowing great durability against home or industrial washing, dry cleaning, bleach washing and ironing - up to 150°C. It is also manufactured with outstanding back coat technology which will ensure excellent printhead protection, allow no clogging and prevent static build up.

RECOMMENDED SUBSTRATES

Nylon, Polyester, Acetate, Rayon, Polyethylene, Polypropylene, PVC, PET

PERFORMANCE PROPERTIES

PRINT SENSITIVITY



HEAT RESISTANCE



ABRASION RESISTANCE



SOLVENT RESISTANCE



LABEL ADAPTABILITY



LOW

MEDIUM

HIGH

TYPICAL APPLICATIONS



CARE LABELS



TEXTILE



DRY
CLEANING



AUTOMOTIVE



AVIATION



ISO
105-E04



ISO
105-X12



BS EN ISO
105-D01



BS EN ISO
105-C06



ISO
5077



TDR380

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PERFORMANCE CHARACTERISTICS

- Offers excellent print quality on textile materials
- High scratch and smear resistance to washing, drying and ironing
- Withstands extreme heat
- Steam resistant
- Can be made to order in a wide range of sizes
- Specially formulated backcoating for printhead protection

Flat Head Technology Grades*

TDW108	Premium Wax Best choice for general purpose labelling
TDW136	High Performance Wax General purpose labelling with extra durability
TDM200	Premium Wax Resin Great print performance with very good durability
TDM242	High Performance Wax Resin Great print performance with excellent scratch resistance
TDR345	Premium Resin Extra scratch resistance on synthetic labels
TDR380	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	6.5 Microns +/- 0.02
INK TYPE	Resin (flat head technology)
COLOUR	Black
INK MELTING POINT	105°C
DENSITY	0.7

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
SO 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/SCHC	Does not contain any of the SVHCs listed - 1907 / 2006/EC
DISPOSAL	To be disposed of as mixed industrial waste
BS EN ISO 105-C06	Colour fastness to domestic and commercial laundering
BS EN ISO 105-D01	Colour fastness to dry cleaning using perchloroethylene solvent
ISO 105-E04	Colour fastness to perspiration
ISO 105-X12	Colour fastness to rubbing
ISO 5077	Determination of dimensional change in washing and drying

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.



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