

SDX80

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

8

HEAT RESISTANCE

9

ABRASION RESISTANCE

10

SOLVENT RESISTANCE

9

LABEL ADAPTABILITY

8

LOW

MEDIUM

HIGH

TYPICAL APPLICATIONS



CARE LABELS



TEXTILE

DRY
CLEANING

AUTOMOTIVE



AVIATION

ISO
105-E04ISO
105-X12BS EN ISO
105-D01BS EN ISO
105-C06ISO
5077

SDX80

PREMIUM TEXTILE FLAT HEAD RESIN

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*

| | |
|--------------|--|
| EWX10 | Premium Wax Best choice for general purpose labelling |
| GPX10 | High Performance Wax General purpose labelling with extra durability |
| PDX25 | Premium Wax Resin Great print performance with very good durability |
| PDX80 | High Performance Wax Resin Great print performance with excellent scratch resistance |
| SRX10 | Premium Resin Extra scratch resistance on synthetic labels |
| SDX80 | 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.



UK Office
Thermal Transfer Solutions Ltd
 Unit 27, Eagle Road
 Manorside Industrial Estate
 Redditch, Worcestershire, B98 9HE
T: +44 (0)1527 517577 | **F:** +44 (0)1527 517533
E: sales@tts.eu.com

Dutch Office
Thermal Transfer Solutions BV
 Groteweg 9,
 1756 CK 't Zand
 The Netherlands
T: +31 (0)224 22 74 56
E: jordy.brouwer@tts.eu.com

French Speaking Office
 Egaartbaan 23
 B-1741 Wambeek
 Belgium
T: +32 (0)473 371279
E: pva@tts.eu.com