

ADVANTAGE range

TDR540

SPECIALTY NEAR EDGE RESIN

PRODUCT DESCRIPTION

A highly flexible near edge resin grade that is designed for use on all industrial near edge printers and in-line TTO coders. This grade is capable of printing dark, dense, black images at high speeds of up to 12 inches per second, making it the preferred choice for high-speed flexible packaging applications demanding more durability than wax resin grades. It prints very well on all types of flexible packaging films and also offers great print performance on uncoated papers and medical papers with great durability. In addition to its high performance, this grade outperforms the competition in abrasion resistance and is the solution to applications such as parts packaging, medical devices, cosmetics, healthcare and pharmaceuticals where that extra print durability is required. It is designed with a unique anti-static and backcoat system to protect printheads and extend printhead life and has great ink definition that produces dark, dense images for improved scan rates.

RECOMMENDED SUBSTRATES

Medical paper, coated and uncoated papers, polypropylene, polyethylene, polyolefin, nylon, and polyester films

PERFORMANCE PROPERTIES

PRINT SENSITIVITY

8

HEAT RESISTANCE

9

ABRASION RESISTANCE

10

SOLVENT RESISTANCE

8

LABEL ADAPTABILITY

9

LOW

MEDIUM

HIGH

TYPICAL APPLICATIONS



PHARMACY



SHELVING



LOGISTICS



RETAIL



GENERAL



INVENTORY



PRODUCT ID



HEALTHCARE



HORTICULTURE

FLEXIBLE
PACKAGING

SHIPPING

ASSET
TRACKING

TDR540

SPECIALTY NEAR EDGE RESIN

PERFORMANCE CHARACTERISTICS

- Suitable for high speed in-line packaging printing
- Durability in chemical printing and industrial applications
- Excellent scratch and smear resistance
- Resistant to boiling & alcohol
- Flexible grade for industrial printing and inline TTO applications

Near Edge Technology Grades*

TDM227

High Performance Wax Resin

Very versatile for all types of labels and packaging films

TDM227X

High Performance Wax Resin

Coated on 4.0-micron film for longer length ribbons

TDR540

Specialty Resin

Extra durability to heat and abrasion with high print speeds

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

RIBBON SPECIFICATIONS

DESCRIPTION	TECHNICAL
BASE FILM CARRIER	4.5 Micron Polyester
TOTAL RIBBON THICKNESS	6.7 Microns +/- 0.02
INK TYPE	Resin (near edge technology)
COLOUR	Black
INK MELTING POINT	105°C
DENSITY	1.9

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.



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