



Thermal Transfer Ribbons

US780

Resin

Near Edge,

TTO



US780 is our specialized “Near Edge/Corner Edge” resin ribbon. It has been specially formulated for printing directly onto food packaging which can then be **boiled** for up to 1.5 hours at temperatures of up to 120°C.

RIBBON SPECIFICATION

RIBBON

GRADE : RESIN, NEAR-EDGE/TTO
COLOUR : BLACK
THICKNESS : 6.5±0.3 µm
Anti-static formulation ink
BASE FILM : POLYESTER (4.5±0.3 µm)
BACK COAT : SILICONE BASED
INK MELTING POINT : 90 °C

STORAGE AND USE

STORAGE : 0-40 °C (32-104 °F), 20-80 %RH
USE : 5-35 °C (41-95 °F), 20-80 %RH

RECOMMENDED LABEL STOCK

PET, Nylon, Synthetic paper

CERTIFICATIONS

HEAVY METALS : 2011/65/EU, (EU)2015/863 (RoHS, RoHS2.0)
REACH : SVHC free
HALOGEN-FREE : IEC 61249-2-21
ISEGA CERTIFIED : Regulation (EC) no.1935/2004
FDA, BPA

*Above documents are available upon request.

APPLICATION



BARCODE

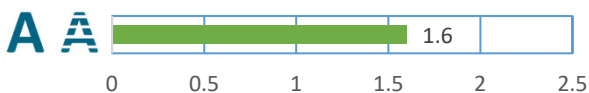


FLEXIBLE PACKING

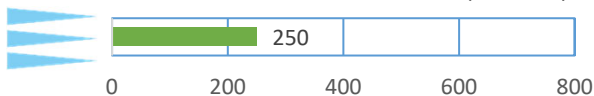


RIBBON PERFORMANCE

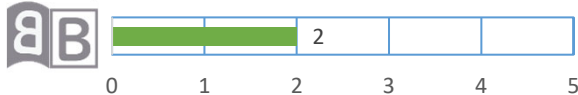
IMAGE DENSITY (KONICA MINOLTA FD-5)



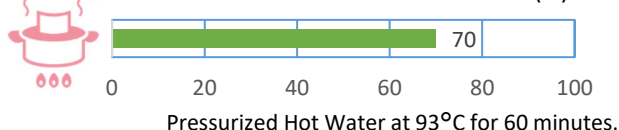
PRINT SPEED (mm/sec)



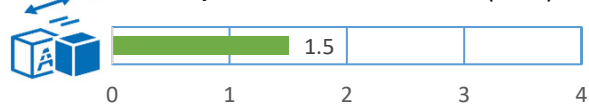
TRANSFER SENSITIVITY



BOL RESISTANCE (%)

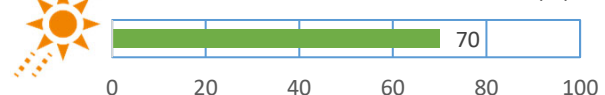


SCRATCH /SMUDGE RESISTANCE (ANSI)



Pressure: 50g, Stroke Cycle: 30 cycles with Stainless ball (SUS304、φ3.175mm), (HEIDON 14DR)

UV RESISTANCE (%)



168 hours exposed on UV test machine.

SOLVENT RESISTANCE



* The numerical value indicated on this sheet is catalog value, and is not guarantee value.

* The information shown above is tentative and subject to change without notice.



UNION CHEMICAR Global Network

Japan : Union Chemicar Co., Ltd.

China (Shanghai) : Union Chemicar (Shanghai) Co., Ltd.

China (Tianjin) : Union Chemicar (Tianjin) Co., Ltd.

United States : Union Chemicar America Inc.

United Kingdom : Union Chemicar UK Limited

Netherlands : Union Chemicar Europe B.V.

Germany : Union Chemicar Deutschland GmbH

India : Union Chemicar India Pvt. Ltd.



ISO 9001
JQA-1784

[30 Aug. 2023]