

# US780

## THERMAL TRANSFER RIBBON

## RIBBON SPECIFICATION SHEET

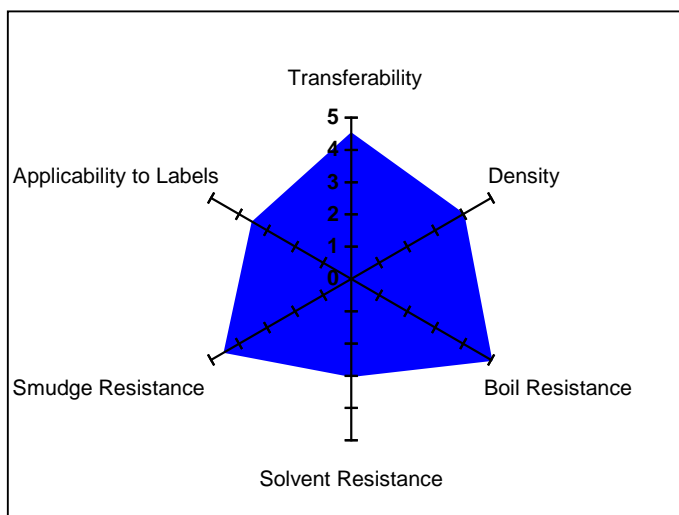
# RESIN

NEAR  
EDGE

US780 is a resin ribbon for use on printers with “Near Edge/Corner Edge” type thermal print heads. It is specially formulated for use in food packaging applications that require boiling after the image has been printed.

### RIBBON PROPERTIES

INK TYPE	RESIN
RIBBON THICKNESS	6.9±0.3µm
BASE FILM	POLYESTER (4.5±0.3µm)
COLOUR	BLACK
TRANSMISSION DENSITY	LESS THAN 0.75 (MACBETH)
PRINT SPEED	UP TO 12"/SEC
PRINTING ENERGY	16mJ/mm <sup>2</sup>



### IMAGE PROPERTIES

IMAGE DENSITY	MORE THAN 1.6 (MACBETH)
BARCODE SYMBOL	MORE THAN ANSI 3.5/A (PARALLEL BARCODE)
RECOMMENDED LABEL STOCKS	PET, NYLON FILM
SCRATCH RESISTANCE	MORE THAN ANSI 1.5/C (NYLON FILM) * 1
BOIL RESISTANCE	MORE THAN 70% (MACBETH) * 2
UV RESISTANCE	MORE THAN 70% (MACBETH) * 3
USAGE CONDITIONS	5°C TO 35°C / 20% TO 80% RELATIVE HUMIDITY
STORAGE CONDITIONS	0°C TO 40°C / 20% TO 80% RELATIVE HUMIDITY

\*1 RUB TEST  
\*2 BOIL TEST  
\*3 EXPOSURE

PRESSURE : 2.63 X 10<sup>7</sup> Pa, STROKE CYCLE : 1200 CYCLES, BRASS NEEDLE  
PRESSURIZED HOT WATER AT 120°C FOR 90 MINUTES  
168 HOURS ON UV TEST MACHINE, EQUIVALENT TO 3 MONTHS DAYLIGHT EXPOSURE



# UNION CHEMICAL

NOTE : THE INFORMATION SHOWN ABOVE IS BASED UPON TESTS CARRIED OUT BY UNION CHEMICAL CO. LTD., AND IS BELIEVED TO BE RELIABLE. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE