

# US450

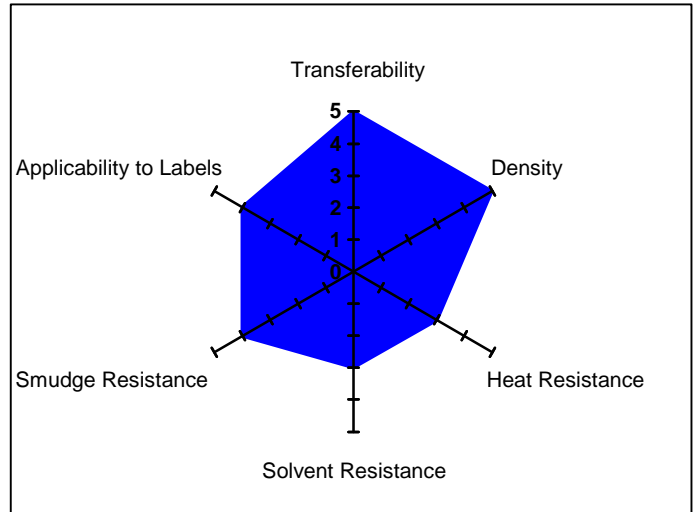
## RIBBON SPECIFICATION SHEET RESIN

### THERMAL TRANSFER RIBBON

US450 is a resin ribbon, designed to print on plastic film at high speeds. Applications include online packaging printing. It has excellent smudge and scratch resistance.

#### RIBBON PROPERTIES

INK TYPE	RESIN
RIBBON THICKNESS	7.8±0.3µm
BASE FILM	POLYESTER (4.5±0.3µm)
COLOUR	BLACK
TRANSMISSION DENSITY	MORE THAN 0.7 (MACBETH)
PRINT SPEED	UP TO 8"/SEC
PRINTING ENERGY	15mJ/mm <sup>2</sup>



#### IMAGE PROPERTIES

IMAGE DENSITY	MORE THAN 1.5 (MACBETH)
BARCODE SYMBOL	MORE THAN ANSI 3.5/A (PARALLEL BARCODE)
RECOMMENDED LABEL STOCKS	POLYETHYLENE, POLYPROPYLENE, PET
SMUDGE RESISTANCE	MORE THAN ANSI 1.5/C (POLYPROPYLENE) * 1
UV RESISTANCE	MORE THAN 60% (MACBETH) * 2
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 EXPOSURE

PRESSURE : 1.96 X 10<sup>4</sup> Pa, STROKE CYCLE : 2000 CYCLES, CORRUGATED PAPER  
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