




SPECIALIST INK DISPERSION TECHNOLOGY PIGMENT INK

SUITABLE FOR EPSON, MIMAKI & ROLAND PRINTERS

Product description

- Quality water based pigment inks
- Specially designed for various kinds of large format printers with Epson piezo printer head
- Very stable printing quality and jetting to suit variable printing conditions (-20°C 10% ~ 40°C, 80%)
- Specialist ink dispersion technology formulated to not cause ink bubbles
- High intensity colours with wide colour gamut and enhanced fade resistance on various media
- Strong head durability

Printer compatibility

Brand	Type
	Epson stylus 9500 / 9000 / 7000
	JV4-Series / JV2-Series
	Hi-fi jet pro FJ740 / FJ600 / FJ500 / FJ400 / Hi-fi jet FJ42 / FJ52

Product codes and colours

Colour	Size		
	220ml Cartridge	1L Pack	1L Bottle
BK	PHP-0001B	PHP-1001B	PHP01-01LB
C	PHP-0002C	PHP-1002C	PHP02-01LC
M	PHP-0003M	PHP-1003M	PHP03-01LM
Y	PHP-0004Y	PHP-1004Y	PHP04-01LY
LC	PHP-0005LC	PHP-1005LC	PHP05-01LLC
LM	PHP-0006LM	PHP-1001LM	PHP06-01LLM
CS	PCS-0001		PCS01-01L

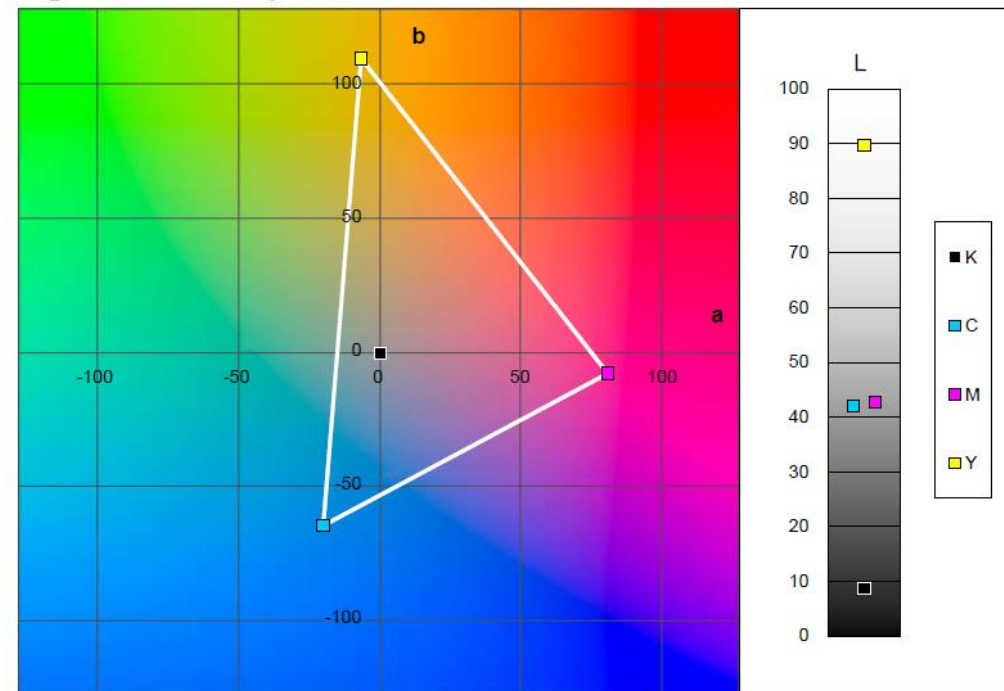
Physical Properties

Parameter	PCA		Unit	Measuring Instrument
	from	up to		
Surface tension	30.0	45.0	dyne/cm	Surface tensiostat 21 (Fisher scientific company)
Viscosity (dynamic)	2.0	3.5	cP	LVDV-II+ Pro (Brookfield Engineering Laboratory)
pH	8.0	11.0		Orion 3 star (Thermo Electron Corporation)
Particle Size	60.0	150.0	nm	NPA 252-1 (Microtrac instrument corporation)

*All measurements are made at 25+/-5oC/ the value after 30 seconds

Colour Gamut Comparison

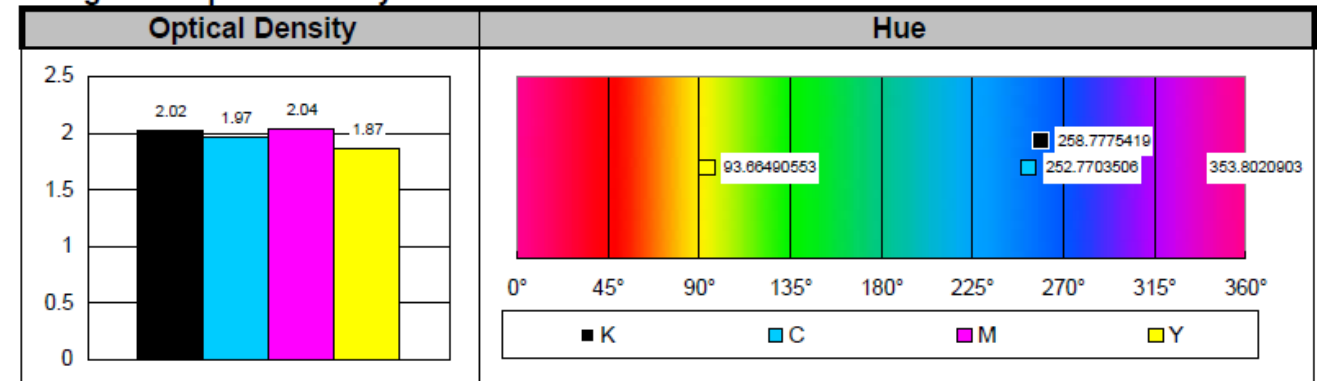
Figure 1. La*b* Color space



Measuring Condition	
Colorimeter	Spectrolino
Illumination	D50
Observer angle	2°
Density Standard	DIN
White base	Absolute
Filter	No
Media	Epson Photo Paper

Test Option	
Printer	Roland hi-fi jet pro FJ740K
Printing option	720 x 720V 9 Pass Bi Stochastic
Media	Roland COLORIP
Image	Process Colour Chart

Figure 2. Optical Density



**Depending on test methods on conditions, the result can be changeable. The result is based on detailed research by InkTec R&D.