



LABEL
FILM
RANGE

WRAP
AROUND
LABEL
RANGE

01

LABEL
PRINTING
PERFORMANCE

03

PRESSURE
SENSITIVE
LABEL

02

SPECIAL
FILM
HOT MELT
& BARRIER

04

LABEL FILM RANGE



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01

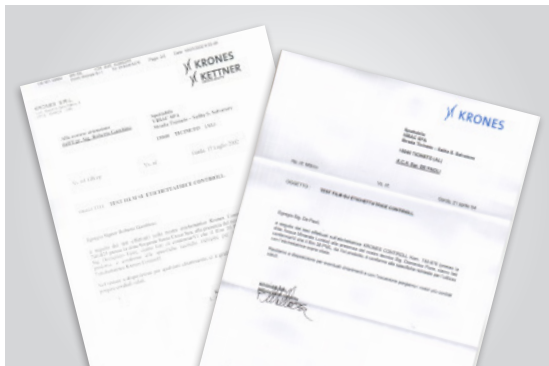
WRAP AROUND LABEL RANGE



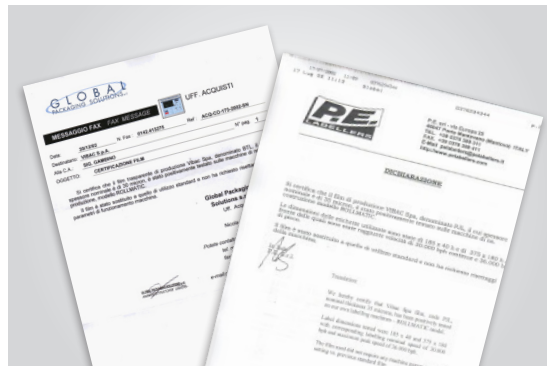
UNCOATED	COATED	
CTL CL	AA.R	TRANSPARENT
PWL		WHITE CAVITATED
PLZ CLY		METALLIZED



KRONES KETTNER



P.E. LABELLERS



SACMI



PERFORMANCE CERTIFICATES

02

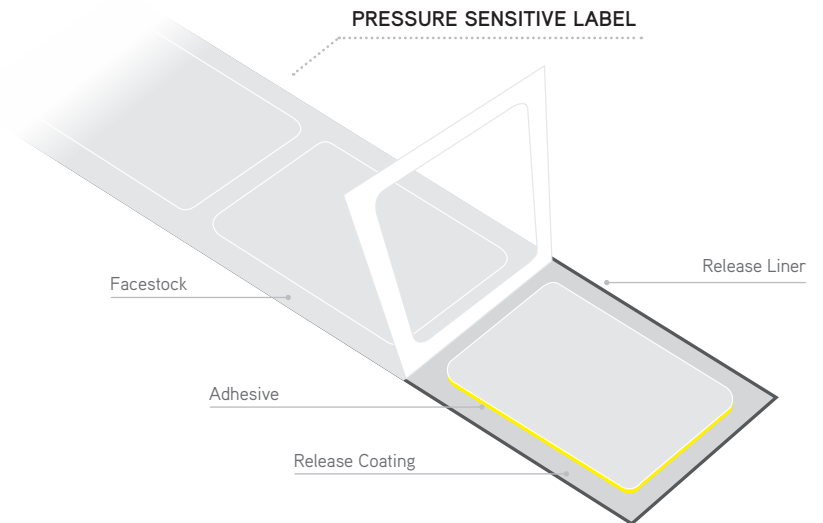
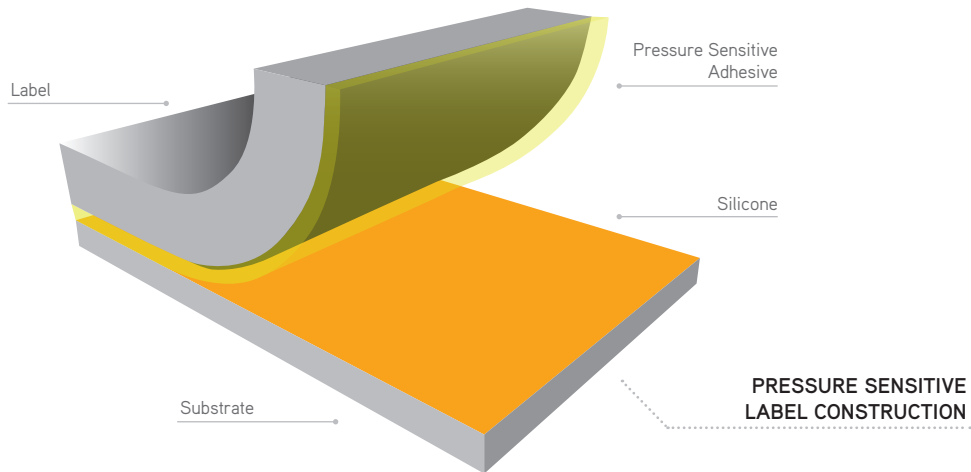
PRESSURE SENSITIVE LABEL



VIBAC[®]
GROUP

VIBAC[®]
GROUP

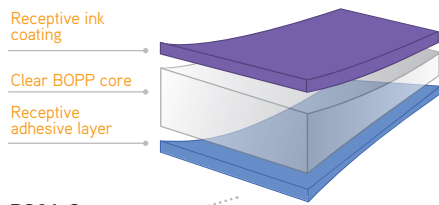
VIBAC[®]
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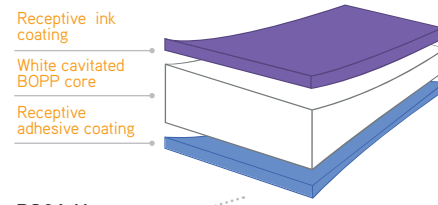
LABEL FACE STOCK RANGE

FACESTOCK			OVER LAMINATION	
TWO SIDES COATED	ONE SIDE COATED	UNCOATED		
PS2A.C PS2AF.C PS2B.C PS2BB.C	PS1.C(T)	BTNY	BTLD CMD	TRANSPARENT
PS2A.P PS2AF.P PS2B.P	PS1.P(T)	DSA		WHITE PIGMENTED
PS2A.H PS2AF.H PS2B.H	PS1.H(T)	PSA		WHITE CAVITATED
PS1.CM				METALLIZED

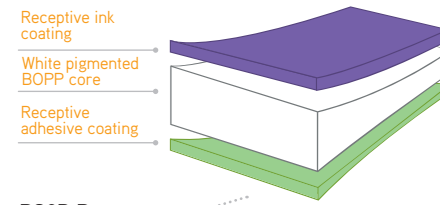




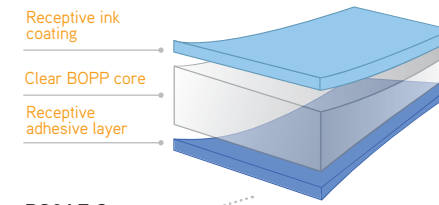
PS2A.C



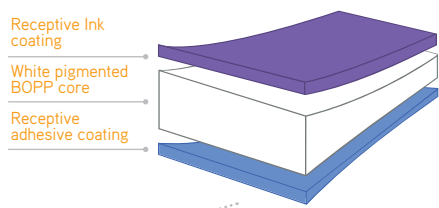
PS2A.H



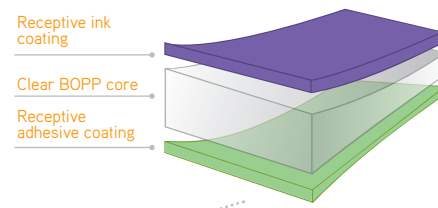
PS2B.P



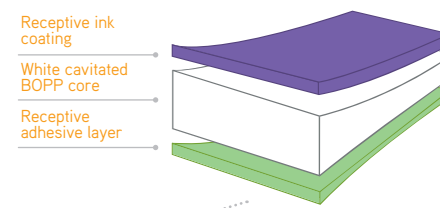
PS2AF.C



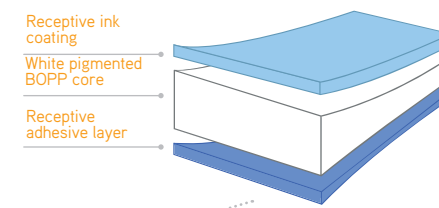
PS2A.P



PS2B.C



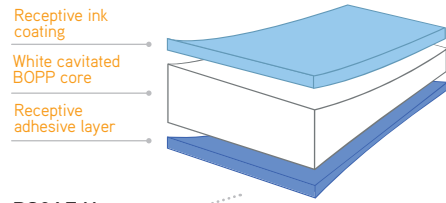
PS2B.H



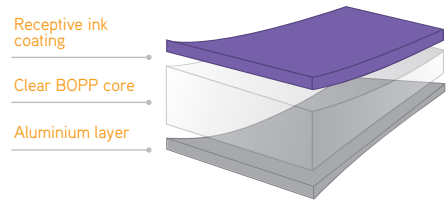
PS2AF.P

VCOAT®									
TWO SIDES COATED FILM FOR FACESTOCK									
TYPE	PS2A.C	PS2A.P	PS2A.H	PS2B.C	PS2B.P	PS2B.H	PS2AF.C	PS2AF.P	
DESCRIPTION	One side ink receptive, one side adhesion promoting, coated clear film	One side ink receptive, one side adhesion promoting, coated white pigmented film	One side ink receptive, one side adhesion promoting, white cavitated film	One side ink receptive, one side adhesion promoting, coated clear film (Barrier Coated)	One side ink receptive, one side adhesion promoting, coated white pigmented film (Barrier Coated)	One side ink receptive, one side adhesion promoting, coated white cavitated film (Barrier coated)	One side ink receptive, one side adhesion promoting, coated clear film (Food Approved)	One side ink receptive, one side adhesion promoting, coated white pigmented film (Food Approved)	
THICKNESS	20 25 51 59	30 51 59	31 41 51 61	52 60	52 60	52 62	52 60	52 60	
UNIT WEIGHT (g/m ²)	18,40 23,00 46,92 52,28	29,40 49,98 57,82	23,25 30,75 38,25 45,75	48,84 55,20	50,96 58,80	39,00 46,50	48,84 55,20	51,48 59,40	
YIELD (m ² /kg)	54,35 43,48 21,31 18,42	34,01 20,00 17,29	43,01 35,52 26,14 21,86	20,90 18,12	19,62 17,01	25,64 21,50	20,90 18,12	19,43 16,83	

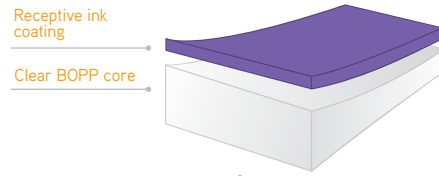
- Excellent flatness-planarity
- Excellent adhesion of printing ink
- Good mechanical strenght
- Superior optics properties



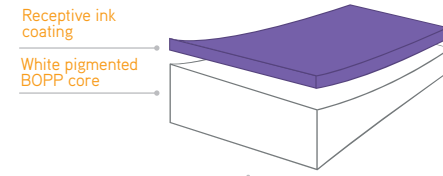
PS2AF.H



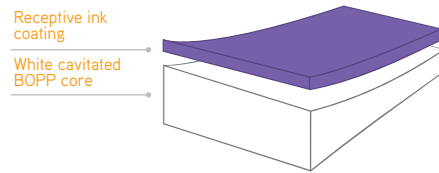
PS1.CM



PS1.C (T)



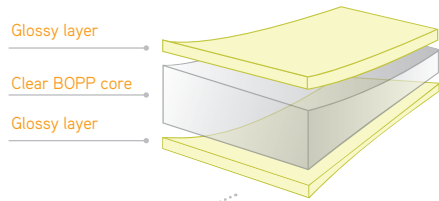
PS1.P (T)



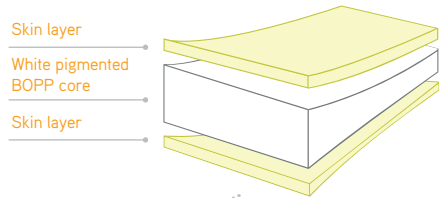
PS1.H (T)

TYPE	PS2AF.H	PS1.CM
DESCRIPTION	One side ink receptive, one side adhesion promoting, coated white cavitated film (Food Approved)	One side print receptive, one side metallized film
	52 62	50 58
UNIT WEIGHT (g/m ²)	39,00 46,50	45,50 52,78
YIELD (m ² /kg)	25,64 21,50	21,98 18,90

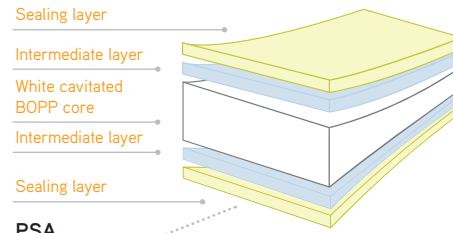
VCOAT® ONE SIDE COATED FILM FOR FACESTOCK			
TYPE	PS1.C (T)	PS1.P (T)	PS1.H (T)
DESCRIPTION	One side ink receptive, one side treated, coated clear film	One side ink receptive, one side treated, coated solid white film	One side ink receptive, one side treated, coated white cavitated film
THICKNESS	50 58	50 58	50 60
UNIT WEIGHT (g/m ²)	45,50 52,78	48,50 56,26	37,50 45,00
YIELD (m ² /kg)	21,98 18,90	20,26 17,77	26,67 22,22



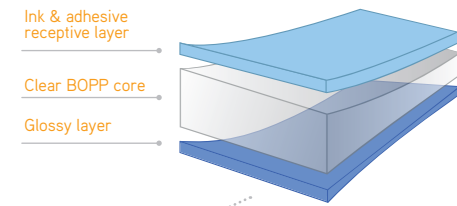
BTNY



DSA



PSA



BTLD

UNCOATED FACE STOCK FILM			
TYPE	BTNY	DSA	PSA
DESCRIPTION	TRANSPARENT FILM	WHITE PIGMENTED FILM	WHITE CAVITATED FILM
THICKNESS	25 30 40 48 50 58	30 35 50 58	35 40 50 60
UNIT WEIGHT (g/m ²)	22,75 27,30 36,40 43,68 45,50 52,78	29,10 33,95 48,50 56,26	26,25 30,00 37,50 45,00
YIELD (m ² /kg)	43,96 36,63 27,47 22,39 21,98 18,9	34,36 29,45 20,62 17,77	38,10 33,33 26,67 22,22

- Excellent flatness-planarity
- Good optics: gloss, transparency or whiteness
- Good stiffness

- No interaction between lacquer or adhesive thanks to the absence of migrating additives in the film

UNCOATED FILM FOR OVERLAMINATION	
TYPE	BTLD
DESCRIPTION	TRANSPARENT FILM
THICKNESS	20 25
UNIT WEIGHT (g/m ²)	18,20 22,75
YIELD (m ² /kg)	54,95 43,96

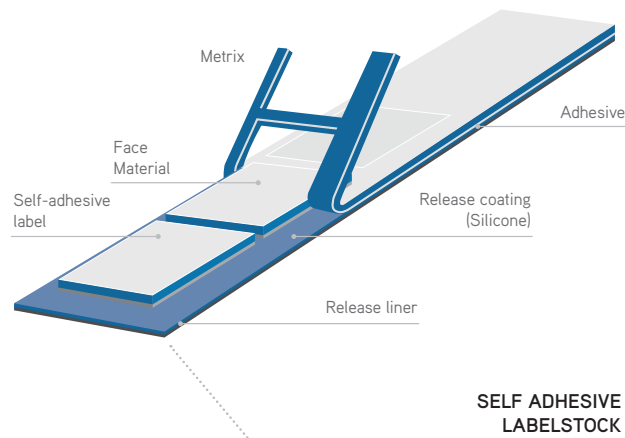
- Excellent flatness-planarity
- Good optics: gloss

03

LABEL PRINTING PERFORMANCE

BOPP ADVANTAGE

- Wide range of substrates and aesthetics
- Innovative, functional and versatile
- Clear, no label look
- High mechanical strength
- Water resistant



SELF ADHESIVE LABELSTOCK

	FILM DESCRIPTION	INK ADHESION (WB-SB)	UV INK ADHESION	RESISTANCE (ICE-PASTEURISATION)	BLOCKING	SWELLING WITH HOT MELT ADHESIVE	FOOD CONTACT
PS2A.C/P/H	Clear, white pigmented and white cavitated, one side ink receptive, one side adhesion promoting coated film for PS label	●	●	●	●	●	●
PS1.C/P/H(T)	Clear, white pigmented and white cavitated, one side ink receptive, one side treated, coated film	●	●	●	●	●	●
PS2B.C/P/H	Clear, white pigmented and white cavitated, one side ink receptive, one side adhesion promoting coated film for PS label (Barrier Coated)	●	●	●	●	●	●
PS2AF.C/P/H	Clear, white pigmented and white cavitated, one side ink receptive, one side adhesion promoting coated film for PS label (Food Approved)	●	●	●	●	●	●
PS1.CM	One side coated ink receptive and one side metallised film for PS label	●	●	●	●	●	●

PRINTING EQUIPMENTS

FLEXO UV:
MARK ANDY PRINT MACHINE: 8 COLOUR STATION
PLATES: WHITE: 140 line/10cc
PROCESS INK: 420 line/3,5 cc
SPEED: 100 mt/min



FLEXO UV:
ARSOMA - DRUCKMACHINEN GmbH
SPEED: 50 m/min



FLEEXO UV: GALLUS EM 280
SPEED: 40 m/min



OFFset UV: GALLUS TSC 250
SPEED: 15 m/min

TESTING

LABEL PRINTING PERFORMANCE TESTED INK	
INK SUPPLIER	INK TYPE
SUNCHEMICAL	SOLARFLEX SLUX 45
FINTGROUP	FLEXOCURE GEMINI
SIEGWERK	SICURAFLEX
FUJIFILM	SERICOL UV
ZELLER GMELLIN	UVAFLEX

RESULTS		
	LABEL FACE STOCK RANGE	ADHESION TEST (ETM 21)
TRANSPARENT	PS2A.C	EXCELLENT
	PS2AF.C	EXCELLENT
	PS2B.C	EXCELLENT
	PS1.C (T)	EXCELLENT
WHITE PIGMENTED	PS2A.P	EXCELLENT
	PS2AF.P	FAIR
	PS2B.P	EXCELLENT
	PS1.P (T)	EXCELLENT
WHITE CAVITATED	PS2A.H	EXCELLENT
	PS2AF.H	FAIR
	PS2B.H	EXCELLENT
	PS1.H (T)	EXCELLENT
METALLIZED	PS1. CM	EXCELLENT

LABEL PRINTING PERFORMANCE THERMAL TRANSFER		
RIBBON SUPPLIER	RIBBON TYPE	RIBBON CODE
ARMOR	RESIN RESIN + WAX	AXR1, AXR7, AXR8 AW470
ZEBRA	RESIN	5095
RICOH	RESIN	B110C, B110CX, B110CR

RESULTS									
		ARMOR				ZEBRA	RICOH		
	FILM	AXR1	AXR7+	AXR8	AW470	5095	B110C	B110CX	B110CR
TRANSPARENT	PS2A.C	GOOD	FAIR	GOOD	POOR	GOOD	FAIR	GOOD	GOOD
	PS1.C (T)	GOOD	FAIR	GOOD	POOR	GOOD	FAIR	GOOD	GOOD
	PS2AF.C	GOOD	GOOD	POOR	FAIR	GOOD	POOR	GOOD	GOOD
	PS2B.C	GOOD	FAIR	GOOD	POOR	GOOD	FAIR	GOOD	GOOD
WHITE PIGMENTED	PS2A.P	GOOD	FAIR	GOOD	POOR	GOOD	FAIR	GOOD	GOOD
	PS1.P (T)	GOOD	FAIR	GOOD	POOR	GOOD	FAIR	GOOD	GOOD
	PS2AF.P	GOOD	FAIR	GOOD	POOR	GOOD	FAIR	GOOD	GOOD
	PS2B.P	GOOD	FAIR	GOOD	POOR	GOOD	FAIR	GOOD	GOOD
WHITE CAVITATED	PS2A.H	GOOD	FAIR	GOOD	POOR	GOOD	FAIR	GOOD	GOOD
	PS1.H (T)	GOOD	FAIR	GOOD	POOR	GOOD	FAIR	GOOD	GOOD
	PS2AF.H	FAIR	GOOD	POOR	FAIR	GOOD	POOR	GOOD	GOOD
	PS2B.H	GOOD	FAIR	GOOD	POOR	GOOD	FAIR	GOOD	GOOD
METALLIZED	PS1. CM	GOOD	FAIR	GOOD	POOR	GOOD	FAIR	GOOD	GOOD

04

SPECIAL FILM HOT MELT & BARRIER

ADHESIVE PERFORMANCE

STRUCTURE TAILOR MADE FOR HOT MELT APPLICATION

Many rubber based hot melt adhesive cause curl of polypropylene films when the laminate is stored for a long period



TEST METHOD

5X5 cm samples
adhered to a glass stick.
Aging at 40 °C and 50%
humidity

ADHESIVE TYPE (NOVAMELT)

	TIME	PS 1212	PS 1245	PS 2025	PS 5015
PS2B.C PS2B.P PS2B.H	1 h	OK	OK	OK	OK
	2 h	OK	OK	OK	OK
	3 h	OK	OK	OK	OK
	6 h	OK	OK	OK	OK
	7 h	OK	OK	OK	OK
	24 h	OK	OK	OK	OK

TEST METHOD

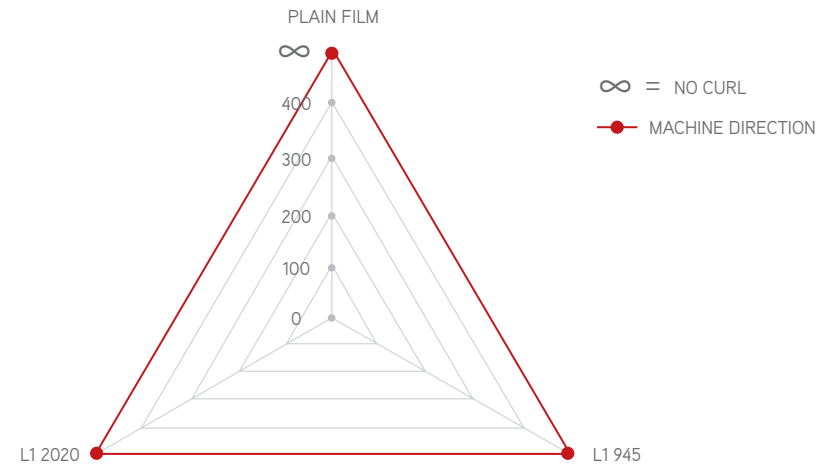
COLLANO rubber hot melt adhesive: L1 2020 and L1 945.

TESTED FILM: PS2B.C, PS2B.P, PS2B.H

ADHESIVE COATWEIGHT: 20 g/sm on a release liner

STORAGE: 7 days at a temperature of 50 °C to simulate storage of 6 week under ambient conditions

Curl was measured by determining the radius of the curled BOPP film
The smaller the radius the stronger the curl



RECLOSABLE BARRIER LABEL

52PS2BB.C

1 side printable / 1 side barrier

KEY FEATURES:

Oxygen barrier: 15 cc/sm 24h atm (23°C-0% R.H.) (ASTM D3985),

Moisture barrier: 2.5 g/sm 24 h (37.8°C-100% R.H.)

Food contact certified

Usage: Base substrate for reclosable laminates for food packs





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