Ospac™ Seamless/Jointless Holographic Film

Markets

- Book Publishing
- Consumer Goods
- Cosmetics
- Electronics
- Fashion
- Food and Beverage
- Pharmaceutical
- Publishing
- Stationery
- Tobacco
- Toys
- Sporting Goods
- Security
- Wine and Spirits

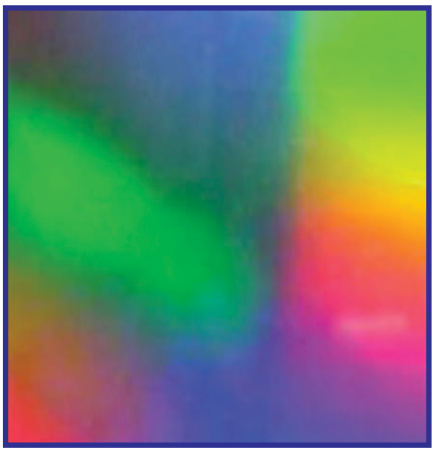
Typical Uses

- Advertisements
- Bags
- Book Wraps
- Clear Labels
- Collateral
- Decorative Wrap
- Direct Mail
- Folders
- Folding Cartons
- Greeting Cards
- Hang Tags
- Labels
- Magazines
- Media Wraps
- Pop Displays
- Posters
- Presentation Folders
- Print Collateral
- Rigid Packaging
- Set-up Boxes
- Stickers
- Trading Cards

Features:-

- Full or Heavy Coverage
- Fine Details or Halftones
- High-Speed Application
- Press-Perfect Registration
- Colors: Silver or Gold
- Holographic Designs:
  Custom or Stock Patterns
  Transparent Patterns

ISO 9001:2008
ISO 14001:2004
ISO 27001:2005



Economical High Speed Cold Foils

The problem: Seam lines
In most applications for labels or packaging, a subtle shim or seam line can be seen on close inspection. This line, which typically appears within holographic repeat patterns, is caused by the shim, or recombination joint, between two pieces of metal on a holographic embossing cylinder. This seam line limits brand owners in their selection of patterns, as they are only suitable for small areas or result in costly waste and slow print runs. To avoid seam lines, stamping intervals must be calculated and monitored on press, resulting in slower printing runs. Another option is to reject pieces with seam lines after production, wasting materials, time, and money.

The Solution: Seamless Holographic Patterns

With OSPAC Foils' seamless products, this troublesome seam can be eliminated to create apparently perfect holographic surfaces. Some products are seamless to the eye, while OSPAC Foils utilizes a process that produces a product with no shim line at all. These truly continuous designs are not disrupted by shim lines or by color transitions and are well suited for large-area applications.
Specify **OSPAC Foils**' seamless products for challenging applications to reduce set-up time, foil waste, and cost.

The Sky is the Limit with Seamless

Seamless products make holography viable in new markets and applications. They offer endless possibilities for designers who are unrestricted by size, layout logistics, or decorating limitations. They offer visual consistency for brands, and overall effciency improvements for printers. Faster speeds and waste reduction are key operational advantages to using seamless foil and flms, as is the fact that seamless products require no costly eye mark equipment for registration. For designers and brand owners, superior visual quality with consistent color and surface integrity along with greater creative latitude make going seamless a choice that pays dividends in differentiation. Combine this technology with custom holographic patterns and the sky's the limit.

Printer/converter Benefits.....

- Greater customer satisfaction and faster sign-offs with elimination of unsightly seam lines
- Efficient print runs due to optimal sheeting
- No costly equipment requiring eye marks for registration
- Faster press running speeds with no seam lines to monitor
- Significantly reduced substrate waste is a key operational advantage

Designer Benefits.....

- No size restrictions to use of holographic patterns means you can go smaller and larger than ever before
- Positioning freedoms that allow for easy gang-printing of smaller applications like self-adhesive labels, luxury packaging and tobacco cartons
- Ability to print holography over very large or irregular area applications
- Diverse surface options along with a range of holographic possibilities, stock patterns or custom images.

Brand Owner Benefits.....

- Keep the spotlight on your brand without seams
- Excellent return-on-investment as higher up front costs equate to great potential savings in set-up, materials and printing efficiencies.
- Seamless holographic patterns are available for enhanced aesthetics and run efficiencies.

TECHNICAL DATA

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUE							
				12	15	19	23	36	45	50	60
THICKNESS		Internal	Micron	12	15	19	23	36	45	50	60
			(Gauge)	48	60	76	92	144	180	200	240
FILM DENSITY		D-1505	gm/cc	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
GRAMMAGE		Internal	gm/m^2	16.8	21.0	26.6	32.2	50.4	63.0	70.0	84
YIELD		Internal	m^2/kg	59.52	47.62	37.59	31.05	19.84	15.87	14.28	11.9
			in^2/lb	41934	33550	26483	21876	13978	11181	10060	8384
TREATMENT LEVEL # (Corona treated Side)	(Min)	D-2578	dyne/cm	52	52	52	52	52	52	52	52
COEFF OF KINETIC FRICTION	(Max)										
(Corona treated to plain)		D-1894	-	0.55	0.55	0.55	0.55	0.50	0.50	0.50	0.50
(Plain to plain)				0.50	0.50	0.50	0.50	0.45	0.45	0.45	0.45
HAZE (Max)		D-1003	%	4.0	4.0	4.0	4.5	5.0	5.5	5.5	6.0
TENSILE STRENGTH AT BREAK (Min)	MD*	D-882	Kg/cm^2	1900	1900	1900	1900	1750	1750	1750	1750
	TD*			2000	2000	2000	2000	2000	2000	2000	2000
TENSILE STRENGTH AT BREAK (Min)	MD*		(Psi)	27000	27000	27000	27000	25000	25000	25000	25000
	TD*			28500	28500	28500	28500	28500	28500	28500	28500
ELONGATION AT BREAK	MD	D-882	%	105	105	110	115	120	125	125	130
	TD			85	85	90	90	90	90	90	90
LINEAR SHRINKAGE (Max.) (5 Minute at 190°C)	MD	D-1204	%	5.0	5.0	5.0	5.0	-	-	-	-
	TD			0.6	0.6	0.6	0.6	-	-	-	-
LINEAR SHRINKAGE (Max.) (30 Minute at 150°C)	MD			-	-	-	-	2.0	2.0	2.0	2.0
	TD			-	-	-	-	0.8	0.8	0.8	0.8
W.V.T.R.(38°C & 90%RH)	(Max.)	F-1249	$gm/m^2/day$	40	35	28	22	15	12	10	8
			(gm/100in²/day)	2.6	2.3	1.8	1.4	1.0	0.8	0.6	0.5
O.T.R. (23°C & 0%RH)	(Max.)	D-3985	$cc/m^2/day$	100	90	80	70	50	60	50	36
			(cc/100in²/day)	6.5	5.8	5.2	4.5	3.2	3.9	3.2	2.4

Note: Technical information and data above should be considered representative only and should not be used for specification purposes.

STORAGE & HANDLING:

COLD FOIL need to be stocked in a closed warehouse and should not be exposed to direct sunlight or light sources and from humidity. It is recommended to store below 35°C in dry place. COLD FOIL is suitable for use within 9 month from date of manufacturing, only if material is stored in recommended condition.

FOOD CONTACT:

COLD FOIL complies with EC and FDA regulations on packaging for direct contact with foodstuffs.. Specific document and MSDS are available on request.

DISCLAIMER:

It is the responsibility of our customer to determine that their use of our product(s) is safe, lawful, and technically suitable in their intended applications.The Values given in the technical data sheet represent typical values based on the best of our knowledge as on date when the data was compiled. It is offered solely to provide possible suggestions for your own experimentation and not as a guarantee for the material supplied. The user is solely responsible for the end use of the product and needs to perform their own tests to confirm the product suitability / compatibility in all respects. Ospac Gives no warranty or accept liability for any loss and fitness of the product for any specific purpose. Ospac reserves the right to change the technical data sheet at any time for enhancing the quality of the products without prior information

INDIA

Corporate Office: Bajaj Holographics India Pvt. Ltd.
Plot No. 150, Sector-6, IMT Manesar, Gurgaon 122050
Haryana (INDIA) ***Helpline: +91-78-2-78-12345***
Phone: +91-124-4367150, Fax:+91-124-4367144
E-mail:sales@bajajholographics.com
web.:www.bajajholographics.com

USA

Ospac inc.
137, N Park St., Kalamazoo, MI 49007, USA
Phone: +1-269-929-6368, Fax: +1-269-978-3858
Email:info@ospac.com
web.:www.ospac.com

Branch/Distributor/Agent