

# Flexible Packaging Materials

Un-Primed films for 13" and 30" roll fed HP Indigo presses

CATEGORY	PRODUCT NAME	TYPE	DESCRIPTION	THICKNESS MILS (GAUGE)	APPEARANCE				MVTR	OTR	COF	SEAL TEMP	CONDITIONS OF USE (FDA)	APPLICATIONS
					FINISH	CLEAR	WHITE	SILVER						
THERMAL LAMINATE	Protect-all Flex Pack 1.3 PET Gloss	Thermally Activated Overlaminate	PET/Adhesive	1.3 (130)	Gloss	•			2.5	6.5	NA	220-280F	NA	Protection for surface-printed flexible packaging
	Protect-all Flex Pack 1.3 PET Matte	Thermally Activated Overlaminate	PET/Adhesive	1.3 (130)	Matte	•			2.5	6.5	NA	220-280F	NA	Protection for surface-printed flexible packaging
	Protect-all Flex Pack 1.3 PET Satin	Thermally Activated Overlaminate	PET/Adhesive	1.3 (130)	Satin	•			2.5	6.5	NA	220-280F	NA	Protection for surface-printed flexible packaging
	Protect-all Flex Pack 1.3 PET Pro Soft	Thermally Activated Overlaminate	PET/Adhesive	1.3 (130)	Soft	•			2.5	6.5	NA	220-280F	NA	Protection for surface-printed flexible packaging
PRE-LAMINATE	Protect-all 2mil Snack Web - Clear (PP C2000C)	Snack Web / Flow Wrap Prelaminate	48 ga PET/Adhesive/1.5 mil mLDpe sealant	2.1 (210)	Gloss	•			<1.2	<6.5	<.2	250-350F	C-H	Snacks, confection, nuts, and frac pack applications
	Protect-all 2mil Snack Web - White (PP C2000W)	Snack Web / Flow Wrap Prelaminate	48 ga PET/Adhesive/1.5 mil white mLDpe sealant	2.1 (210)	Gloss		•		<1.2	<6.5	<.2	250-350F	C-H	Snacks, confection, nuts, and frac pack applications
	Protect-all 2mil MET Snack Web (PP M2000C)	Snack Web / Flow Wrap Prelaminate	48 ga met PET/Adhesive/1.5 mil mLDpe sealant	2.1 (210)	Gloss			•	<.06	<.08	<.2	250-350F	C-H	Snacks, confection, nuts, and frac pack applications
	Protect-all 3mil MET Snack Web (PP M3000C)	Snack Web / Flow Wrap / 3-side pouch Prelaminate	48 ga met PET/Adhesive/2.5 mil mLDpe sealant	3.1 (310)	Gloss			•	<.06	<.08	<.2	250-350F	C-H	Neutraceuticals, marijuana, snacks, confection, nuts, and frac pack applications
	Protect-all ProFoil® 2100C (Silver)	Cosmetic Web Prelaminate	48ga PET/LDPE/Foil/Barrier Adhesive/1.25 mil mLDpe sealant	3.5 (350)	Gloss			•	<.005	<.005	<.2	300-350F	B-H	Hard-to-hold cosmetics / lotions / shampoo and hot fill
	Protect-all ProFoil® 2100W (White)	Cosmetic Web Prelaminate	48ga PET/White LDPE/Foil/Barrier Adhesive/1.25 mil mLDpe sealant	3.5 (350)	Gloss		•		<.005	<.005	<.2	300-350F	B-H	Hard-to-hold cosmetics / lotions / shampoo and hot fill
	Protect-all 3.5mil Stand Up Pouch - White PPC3500BXW	Stand Up Pouch Prelaminate	48 ga PET/adhesive/3.0 mil white barrier-sealant coex film	3.6 (360)	Gloss			•	<.09	<.05	<.2	250-350F	C-H	Durable pouch applications - barrier properties required (nuts, coffee)
	Protect-all 3.5mil Stand Up Pouch - Clear PPC3500BXC	Stand Up Pouch Prelaminate	48 ga PET/adhesive/3.0 mil barrier-sealant coex film	3.6 (360)	Gloss	•			<.09	<.05	<.2	250-350F	C-H	Durable pouch applications - barrier properties required (nuts, coffee)
	Protect-all Cello Stick Pack X1818-2 White	Stick Pack Prelaminate	76 ga Cello/white LDPE /Foil /Surlyn	3.1 (310)	Gloss			•	<.005	<.005	<.2	300-350F	C-H	Seals through powders and oils
PET FILM	Toray Lumirror PA10 48G	Base PET Film Print Web	Coex PET film, one side for adhesion promotion - Print/APET/PET	0.48 (48)	Gloss	•			2.9	8.0	0.4	NA	A-H	Printable one side
	Toray Lumirror MK61 48G	Metallized PET film for high barrier packaging	Metallized PET film - Metal/PET/Print	0.48 (48)	Gloss			•	0.03	0.03	0.4	NA	A-H	Printable one side, adhesive laminate to the metal side
	Toray Lumirror PA25 120G	Heat sealable PET film for snack web/flow wrap	Coex PET film, one side for heat seal - APET heat seal/PET/Print	1.2 (120)	Gloss	•			1.1	3.3	.4/3	250 F	A-H	Print one side, heat seal the other side
BOPP FILM	Toray Torafan F62W 70G	Heat sealable Gloss BOPP film as print web for snack web/flow wrap	Coex Gloss BOPP film, one side for adhesion promotion - Print/BOPP/Heat seal	0.70 (70)	Gloss	•			0.45	NA	.33/.28	250 F	C-H	Print one side, heat seal the other side
	Toray Torafan FMS 70G	Heat sealable Matte BOPP film as print web for snack web/flow wrap	Coex Matte BOPP film, one side for adhesion promotion - Print/BOPP/Heat seal	0.70 (70)	Matte	•			0.45	NA	.47 / .36	250 F	C-G	Print one side, heat seal the other side
	Toray Torafan PWX4 70G	Metallized heat sealable inner BOPP film for snack web/flow wrap	Metallized, sealable coex BOPP barrier film - Film/Print - Metal/BOPP/Heat seal	0.70 (70)	Gloss			•	0.005	0.6	.66/.45	250 F	C-H	Adhesive laminate metal side to printed web

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FDA CONDITIONS OF USE: A: High temperature heat-sterilized (e.g., over 212°F); B: Boiling water sterilized; C: Hot filled or pasteurized above 150°F; D: Hot filled or pasteurized below 150°F; E: Room temperature filled and stored (no thermal treatment in the container); F: Refrigerated storage (no thermal treatment in the container); G: Frozen storage (no thermal treatment in the container); H: Frozen or refrigerated storage; Ready-prepared foods intended to be reheated in container at time of use: 1. Aqueous or oil-in-water emulsion of high- or low-fat; 2. Aqueous, high- or low-free oil or fat; I: Irradiation; J: Cooking at temperatures exceeding 250°F

# Primers and Coatings



Products for ink adhesion and protecting prints made on HP Indigo presses

CATEGORY	PRODUCT NAME	SUBSTRATE COMPATIBILITY /DESCRIPTION	HP INDIGO MODEL COMPATIBILITY	UNIT SIZE	SHIP WEIGHT (LBS)	SHELF LIFE (MONTHS)
IN-LINE PRIMERS FOR HP INDIGO PRESSES	Michelman Q4324A	Coated Paper	W7200	(4) 5 liter	47	6-12
	Michelman Q4325A	Uncoated Paper	W7200	(4) 5 liter	47	6-12
	Michelman DigiPrime DP680	All substrates	WS6000 , 6600, 6800	(4) 5 liter	47	6-12
	Michelman ILP030	95% of all substrates	WS6000 , 6600, 6800	(4) 5 liter	47	12
	Michelman ILP040	Remaining 5% of substrates	WS6000 , 6600, 6800	(4) 5 liter	47	1
	Michelman MCL 1188	NA - Cleaning Solution	NA - For ILP 030/ 040 only	(4) 5 liter	47	1
	Michelman DigiPrime DP050	All Substrates	20000	5 gallon pail	45	6-12
	Michelman DigiPrime DP060	All Substrates	30000	5 gallon pail	45	6-12
OFF-LINE PRIMERS FOR HP INDIGO PRESSES	Michelman DigiPrime 2000	For Paper only	Water-based	5 gallon pail	45	1
	Michelman DigiPrime 3000	Low Foaming Formula for Paper Only	Water-based	5 gallon pail	45	1
	Michelman DigiPrime 4431	Universal for most paper and films	Water-based	5 gallon pail	45	1
	Michelman DigiPrime 4450	Universal for 2 sided applications	Water-based	5 gallon pail	45	1
	Michelman DigiPrime 4453	Toner based presses (Xeikon) and Indigo. All papers, most synthetics	Water-based	5 gallon pail	45	1
	Michelman DigiPrime 4462	Water resistant . All papers, most synthetics	Water-based	5 gallon pail	45	1
	Michelman DigiPrime 5000	Flexible vinyl	Water-based	5 gallon pail	45	1
	Michelman Sapphire 5%	For Paper and some synthetics	Water-based	(4) 5 liter	47	6-12
Michelman Topaz	Screen print - Universal for most paper and films.	Solvent	(4) 1 gallon	36	6-12	
CUSTOM PRIMERS AND COATINGS	We love to custom formulate. If you have a specific primer or over print varnish need that you don't find in our current line up; please let us know. No order is too small or too large.					
	UDT DigiLume* 3000	Excellent adhesion for various paper grades	Water-based	5 gallon pail	40	6
	UDT DigiLume* 4431	Excellent adhesion for various paper grades	Water-based	5 gallon pail	40	6
	UDT DigiLume* 4450	Anti-block properties making it perfect for two sided printing.	Water-based	5 gallon pail	40	6
	UDT DigiLume* 5000	Excellent adhesion to treated films, papers and synthetics.	Water-based	5 gallon pail	40	6
	UDT Levia Custom Digital Coatings	Exceptional adhesion and extended shelf life for various thicknesses of unique substrate applications.	Water-based	5 gallon pail	40	6
* DigiLume products are DigiPrime® with the proprietary PreLume® additive to give you the ability to check for even coating under black light for an error free application - saving you time and money.						
OPV'S TO PROTECT IMAGES MADE ON HP INDIGO PRESSES	Michelman DigiGuard DG100	Gloss Finish for Prime Labels on Paper, PE, PET and PP films	Water-based	5 gallon pail	45	6-12
	Michelman DigiGuard DG110	Gloss Food Contact Safe for Prime Labels and Flexible Packing on Paper, PE, PET and PP films	Water-based	5 gallon pail	45	6-12
	Michelman DigiGuard DG115	Gloss with Low COF for Shrink Sleeves on Paper, PE, PET and PP films	Water-based	5 gallon pail	45	6-12
	Michelman DigiGuard DG901 (additive)	For Durable Labels on Paper, PE, PET and PP films	UV	1L container (12 to a case)	29	6
	Kustom Koatings Silicone-Free Gloss UV Coating	Pair with DG901 Additive for Durable Labels	UV	1, 5, 55 gallon options	9,45,495	6
	Kustom Koatings BZP & Silicone-Free Gloss UV Coating	Pair with DG901 Additive for Durable Labels	UV	1, 5, 55 gallon options	9,45,495	6
	Kustom Koatings Gloss UV Coating	For Prime Labels on Paper, PE, PET and PP films	UV	1, 5, 55 gallon options	9,45,495	6
	Kustom Koatings Chemical & Water Resistant Gloss UV Coating	For Prime Labels on Paper, PE, PET and PP films	UV	1, 5, 55 gallon options	9,45,495	6
	Kustom Koatings Water Resistant Gloss UV Coating	For Prime Labels on Paper, PE, PET and PP films	UV	1, 5, 55 gallon options	9,45,495	6
	Kustom Koatings Chemical & Water Resistant Matte UV Coating	For Prime Labels on Paper, PE, PET and PP films	UV	1, 5, 55 gallon options	9,45,495	6
	Kustom Koatings Water Resistant Matte UV Coating	For Prime Labels on Paper, PE, PET and PP films	UV	1, 5, 55 gallon options	9,45,495	6
	Kustom Koatings Soft Feel UV Coating	For Prime Labels on Paper, PE, PET and PP films	UV	1, 5, 55 gallon options	9,45,495	6
	Kustom Koatings Satin UV Coating	For Prime Labels on Paper, PE, PET and PP films	UV	1, 5, 55 gallon options	9,45,495	6
	Kustom Koatings Raised Gloss UV Coating	For Prime Labels on Paper, PE, PET and PP films	UV	1, 5, 55 gallon options	9,45,495	6
	Kustom Koatings Prop 65-Free UV Gloss Coating	For Prime Labels on Paper, PE, PET and PP films	UV	1, 5, 55 gallon options	9,45,495	6
	Kustom Koatings Thermal Transfer Receptive UV Coating	For Prime Labels on Paper, PE, PET and PP films	UV	1, 5, 55 gallon options	9,45,495	6

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