

Industrial Product Guide

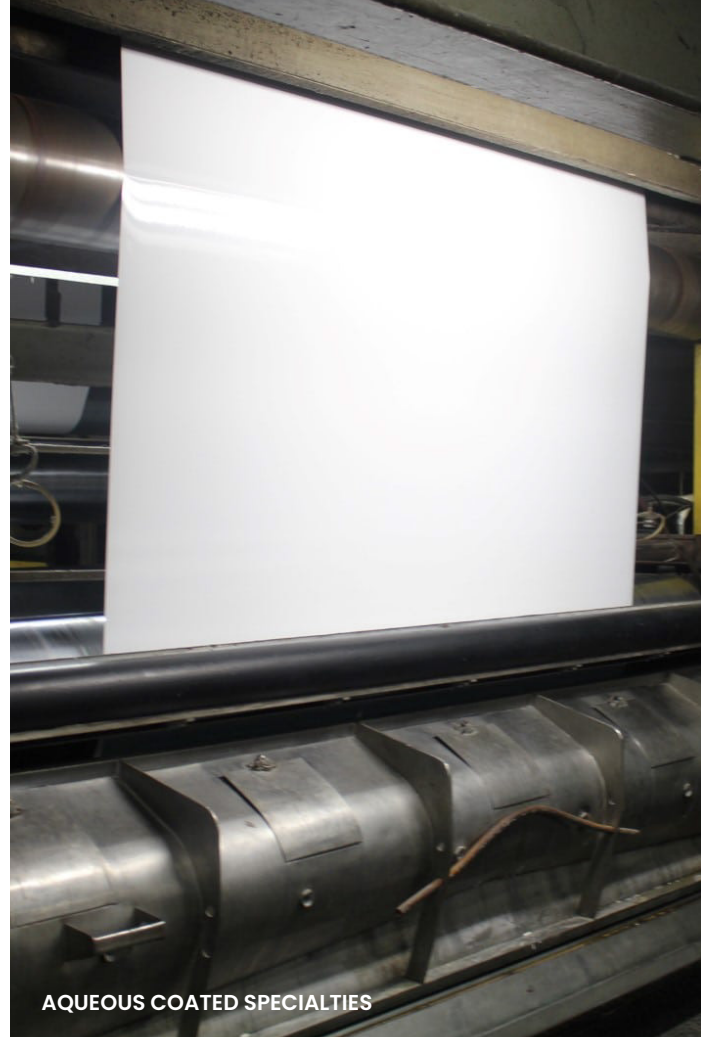
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WHO WE ARE

Holland is a leading converter of paper and synthetic substrates used in packaging, building materials and specialty applications.

Holland operates three manufacturing facilities in the US – **Succasunna, NJ, Attleboro, MA and Williamston, SC.** Since 1958, Holland Manufacturing has proudly serviced our customers' requirements with quality products made in the United States.





PRODUCT LINE CATALOG

03 Reinforced Water Activated Tape

04 Non-Reinforced Water Activated Tape
Corrugated Box Maker's Tape
Heat Activated Stay Tape

05-06 Printed Water Activated Tape

07 Water Activated Tape Equipment

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12 Manufacturing Capabilities



REINFORCED WATER ACTIVATED TAPE

GRADE	COLOR & DUTY	PAPER BASIS WEIGHTS	REINFORCED PATTERN	STANDARD SIZES <small>(CASES/PALLET)</small>	STOCK ITEMS
H-20	Natural Economy	20/23	(1-1-1-1-1) H110 MD – 70mm and 1.25" CD Pattern G150	70mm x 375' – 8 pack (105) 70mm x 450' – 10 pack (63) 70mm x 500' – 6 pack (90)	70mm x 450' 70mm x 500'
H-30	Natural Light Duty	23/23	(1-1-1-1-1) H110 MD – 72mm and 1.25" CD Pattern G150	72mm x 375' – 8 pack (105)	72mm x 450'
H-30WW	White Light Duty	25/25		72mm x 450' – 10 pack (63)	
H-40	Natural Medium Duty	23/23	(1-1-1-1-1) G75 MD – 72mm and 1.25" CD Pattern G150	72mm x 500' – 6 pack (90)	
H-50	Natural Medium Duty	23/23	(1-1-1-1-1-1) G75 MD – 3" and 1.25" CD Pattern G150	3" x 375' – 8 pack (84) 3" x 450' – 10 pack (60)	3" x 450'
H-60	Natural Heavy Duty	25/25	(2-1-1-1-1-2) G75 MD – 3" and 1.25" CD Pattern G150		
H-70	Natural Heavy Duty	30/23	(2-2-1-2-2) H110 MD – 3" and 1.25" CD Pattern G150		
H-70WW	White Heavy Duty	30/25			
H-80	Natural X – Heavy Duty	30/23	(2-2-1-2-2) G75 MD – 3" and 1.25" CD Pattern G150		

Note: All reinforcement patterns are fiberglass fibers.

NON-REINFORCED WATER ACTIVATED TAPE

NEW GRADE	DESCRIPTION	PAPER BASIS WEIGHTS	REINFORCED PATTERN	STANDARD SIZES (CASES/PALLET)	STOCK ITEMS
LD	Light Duty	40lbs. (Natural)	Non-Reinforced	1-1/2" x 500' - 20 pack (84)	1-1/2" x 500'
MD	Medium Duty	55lbs. (Natural)		2" x 600' - 12 pack (75)	3" x 600'
		60lbs. (White)		2.5" x 600' - 12 pack (60)	
HD	Heavy Duty	85lbs. (Natural)		70mm x 600' - 10 pack (60)	
		90lbs. (White)		3" x 600' - 10 pack (60)	N/A
				3" x 375' - 10 pack (60)	

CORRUGATED BOX MAKER'S TAPE

GRADE	DESCRIPTION	PAPER BASIS WEIGHTS	REINFORCED PATTERN	STANDARD SIZES (CASES/PALLET)	STOCK ITEMS
AP	All Purpose, Water Activated Corrugated Box Maker's Tape	40/40	CD Pattern G75 Single Diamond	3" x 3300' - 2 pack (24)	3" x 3300'

HEAT ACTIVATED STAY TAPES

GRADE	DESCRIPTION	PAPER BASIS WEIGHTS	REINFORCED PATTERN	STANDARD SIZES (CASES/PALLET)	STOCK ITEMS
LD-HS	Light Duty Heat Seal Tape	40lbs. (Natural)	Non-Reinforced	Custom Sizes Available	N/A
		40lbs. (White)			
MD-HS	Medium Duty Heat Seal Tape	65lbs. (Natural)		3/4" x 10" & 15" OD (40, 45)	7/8" x 10" Nat.
		60lbs. (White)			
HD-HS	Heavy Duty Heat Seal Tape	97lbs. (Natural)		7/8" x 10" & 15" OD (40, 45)	7/8" x 10" & 15" OD Nat.
		90lbs. (White)			7/8" x 10" White
REINF-HS	Reinforced Heat Sale Tape	40lbs. / 40lbs. (Natural)	CD Pattern G75 Singel Diamond	7/8" x 10" & 15" OD (40, 45)	7/8" x 10" OD

PRINTED WATER ACTIVATED TAPE

Printed Water Activated Tape is a great way to promote your company's brand and provide additional security for your package. Holland has the ability to print a wide range of print styles from the most minimalist one color prints to high definition 6-color process printing.



PRINT STYLE	INK SELECTION	GRADE SELECTION	MINIMUMS	RELATIVE PRICING
Flood Coated	1	All Holland WAT Grades Available	1/2 pallet = 30 cases	\$\$\$
Stripes				\$
Custom Logo	1, 2, 3, 4, 5, 6		1/4 pallet = 15 cases	\$-\$\$\$\$
Flood-Logo Reverse			1 pallet = 60 cases	\$\$\$-\$\$\$\$\$

PROCESS FOR CUSTOM PRINTING

1. Printed tape is quoted based on style, quantity, # of ink colors and grade of tape.
2. Submit a Purchase Order along with electronic artwork (vectored file type is preferred, not required).
3. Holland will generate and submit a proof including the artwork rendering and all tape details to you.
4. Electronically sign off on proof or request revisions.
5. Printing plates are produced and the tape is printed per the agreed specification.

CHOOSE FROM 13 STANDARD COLORS



CHOOSE FROM 10 STANDARD DESIGNS



REFRIGERATE UPON ARRIVAL
DO NOT FREEZE
IF SEAL IS BROKEN, CHECK CONTENTS BEFORE ACCEPTANCE

Design No.	Grade/Paper	Width/Length	Color(s)
FRAGILE	H30/Kraft	72mm/450ft.	GCMI 76

Design No.	Grade/Paper	Width/Length	Color(s)
REFRIGERATE	H30WW/White	72mm/450ft.	GCMI 31



Design No.	Grade/Paper	Width/Length	Color(s)
WARNING	H30/Kraft	72mm/450ft.	GCMI 76

Design No.	Grade/Paper	Width/Length	Color(s)
USA FLAG	H30/Kraft	72mm/450ft.	R/W/B



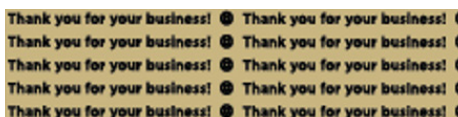
Design No.	Grade/Paper	Width/Length	Color(s)
STOP	H30/Kraft	72mm/450ft.	GCMI 76

Design No.	Grade/Paper	Width/Length	Color(s)
CRAFTED W/ PRIDE	H30/Kraft	72mm/450ft.	Any 1



Design No.	Grade/Paper	Width/Length	Color(s)
THANK YOU CALL	H30/Kraft	72mm/450ft.	Any

Design No.	Grade/Paper	Width/Length	Color(s)
ADDRESSEE	H30WW/White	72mm/450ft.	GCMI 90/10



Design No.	Grade/Paper	Width/Length	Color(s)
THANK YOU	H30/Kraft	72mm/450ft.	Any

Design No.	Grade/Paper	Width/Length	Color(s)
DIAG. STRIPE	H30/Kraft	72mm/450ft.	Any 1/2



WATER ACTIVATED TAPE EQUIPMENT

Holland provides world class water activated tape equipment tailored to all applications and budgets.

TABLE TOP WATER ACTIVATED TAPE DISPENSERS

MACHINE	DESCRIPTION	TAPE LENGTH	MAXIMUM ROLL OD
M-1	Water activated tape dispenser - Manual - Table Top Unit	6 to 45 inches	9.5 inches
E-1	Water activated tape dispenser - Electric - Table Top Unit	6 to 45 inches	9.5 inches

In partnership with Phoenix and EVI Italia, Holland is offering WAT Case Sealing Solutions uniquely designed to minimize cost and maximize return for the packager. Featuring an innovative, Patented WAT taping head, Holland's case sealing line enables the consistency and labor savings of case sealing with the security and value proposal of water activated tape.

AUTOMATED WATER ACTIVATED TAPE CASE SEALING

MACHINE	DESCRIPTION	MAX. BOX SIZE	CASES/MINUTE
E600	Entry Level - Uniform Size Water Activated Tape Case Sealer	600mm x No max. x 600mm	8 to 12
M600	Uniform Size, Water Activated Tape Case Sealer		
A600	Random Size, Water Activated Tape Case Sealer		8
A600FF	Random Size, Water Activated Tape Case Sealer with Flap Folder		





CUSTOM LABELS

Holland Manufacturing produces high quality, custom printed labels and tags. Capabilities include 6-color flexographic printing, narrow-width slitting, and die cutting allow us to quickly and cost-effectively produce diverse designs and formats. We feature a wide selection of coatings, adhesives, and materials that can be custom tailored to meet the specifications and performance needs of your product.

In our modern, climate-controlled production facility, we produce labels and tags for a variety of applications and industries, including:

Food and Beverage • Pharmaceutical • Industrial • Shipping • Organization

STOCK PLAIN LABELS – THERMAL TRANSFER LABELS

PART NUMBER	LABEL SIZE	# ACROSS	CARRIER WIDTH	HORIZONTAL PERF	QTY. PER ROLL	ROLLS PER CASE	QTY. PER CASE	LBS. PER CASE
TT4X2-1P	4 X 2" (1 Roll w/ Perf)	1	4-1/8 IN	2-1/8 IN	3000	4	12000	22
TT4X3-1P	4 X 3" (1 Roll w/ Perf)			3-1/8 IN	1800		7000	25
TT4X3-1P	4 X 4" (1 Roll w/ Perf)			4-1/8 IN	1000		4000	
TT4X6-1	4 X 4" (1 Roll w/o Perf)			None				
TT4X6-1P	4 X 6" (1 Roll w/ Perf)			6-1/8 IN				
TT4X6-1P - Pallet	4 X 6" (1 Roll w/ Perf)			6-1/8 IN				
TT4X6-1	4 X 6" (1 Roll w/o Perf)			None				

STOCK PLAIN LABELS – DIRECT THERMAL LABELS

PART NUMBER	LABEL SIZE	# ACROSS	CARRIER WIDTH	HORIZONTAL PERF	QTY. PER ROLL	ROLLS PER CASE	QTY. PER CASE	LBS. PER CASE
DT4X4-1P	4 X 4" (1 Roll w/ Perf)	1	4-1/8 IN	4-1/8 IN	1000	4	4000	25
DT4X4-1	4 X 4" (1 Roll w/o Perf)			None				
DT4X6-1P	4 X 6" (1 Roll w/ Perf)			6-1/8 IN				
DT4X6-1P - Pallet	4 X 6" (1 Roll w/ Perf)			None				
DT4X6-1	4 X 6" (1 Roll w/o Perf)			None				
DT4X8-1P	4 X 8" (1 Roll w/ Perf)			8-1/8 IN				
DT4X8-1P TINT	4 X 8" (1 Roll w/ Perf)			8-1/8 IN				
DT4.5X6.5-1P Tint	4.5 X 6.5" (1 Roll w/ Perf)		4-5/8 IN	6-5/8 IN				



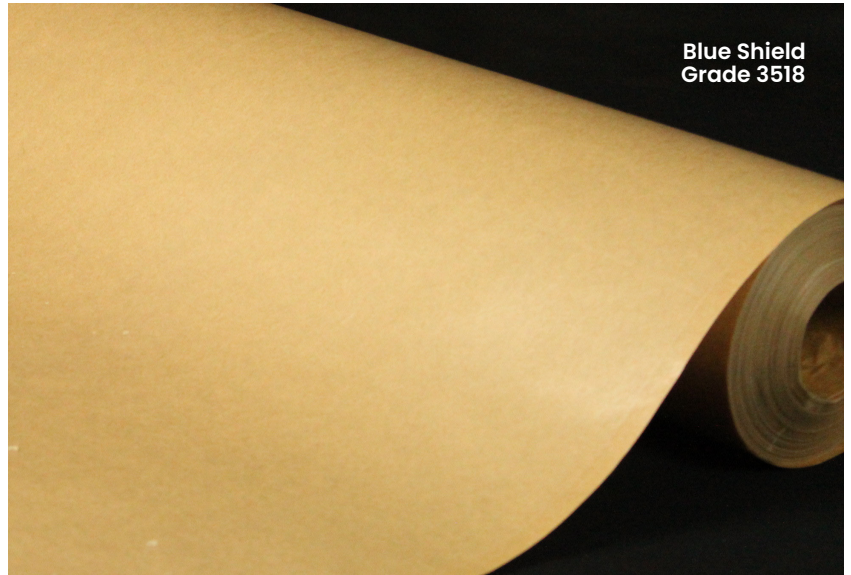
Blue Shield Reinforced
Poly Wrap (RPW)



Blue Shield Grade 3030



Blue Shield Superblack



Blue Shield
Grade 3518

BLUE SHIELD INDUSTRIAL PAPERS AND WRAPS

Holland's Blue Shield line of industrial papers and wraps are based on moisture and tear resistance core functionality. Applications span multiple uses and markets including temporary surface protection, flooring underlayment, metal packaging and a variety of industrial uses. All products are supplied in roll format in a variety of widths up to 96 Inch.

SURFACE PROTECTION PRODUCTS

GRADE	DESCRIPTION	APPLICATIONS	CALIPER	TENSILE STRENGTH (MD/CD)	BARRIER (MVTR)	STANDARD SIZES & PUT-UPS
3518	Reinforced, Non-Asphaltic Laminated Kraft Paper	Floor Protection, Industrial Packaging Reinforced Bags, Concrete Curing, etc.	8 mil	41 / 24 lbs. per in	22.7 g/day/m2	36", 48" x 300' (59 rolls/pallet) 60" x 300' (48 rolls/pallet) 72" x 300' (42 rolls/pallet) 96" x 300' (36 rolls/pallet)
FlameStopR	Fire Retardant, Reinforced, Non-Asphaltic Laminated Kraft Paper	Floor Protection, Surface Protection, Paint Booth Protection, Industrial Packaging	7 mil	42 / 27 lbs. per in	48.1 g/day/m2	32", 48" x 300' (42 rolls/pallet)
SW-40	Poly-Coated Woven (7x4) Laminated Paper	Metal Packaging, Floor Protection, Paint Booth Protection, Industrial Packaging	7 mil	28 / 35 lbs. per in	22.6 g/day/m2	36", 48" x 600' (32 rolls/pallet) 60", 72", 96" x 600' (30 rolls/pallet)
XLT	Synthetic Fabric, Anti-Skid Coating	Floor Protection, Surface Protection, Paint Booth Protection, Industrial Packaging	28 mil	65 / 69 lbs. per in	3.4 g/day/m2	48" x 100' (42 rolls/pallet)
F45	Moisture resistant, fiberboard	Surface Protection for hard surfaces	45 mil	120 / 38 lbs. per in	337.9 g/day/m2	38" x 100' (16 rolls/pallet)

ASPHALT BARRIER PAPERS

AS	Asphalt Saturated Kraft Paper	Flooring Underlayment	7 mil	52 / 22 lbs. per in	119.9 g/day/m2	36" x 144' (100 rolls/pallet)
3030	Non-Reinforced, Asphaltic Laminated Paper	Flooring Underlayment, Concrete Curing, Industrial Packaging	7 mil	55 / 23 lbs. per in	22.1 g/day/m2	36" x 167' (94 rolls/pallet) 36", 48" x 600' (32 rolls/pallet) 60", 72" x 600' (30 rolls/pallet) 96" x 600' (20 rolls/pallet)
3560	Reinforced, Asphaltic Kraft Paper	Export Container Liner, Industrial Packaging, Concrete Curing	8 mil	58 / 24 lbs. per in	18.2 g/day/m2	36", 48" x 300' (48 rolls/pallet) 60", 72" x 300' (36 rolls/pallet) 96" x 300' (25 rolls/pallet)

POLYMER COATED BARRIER PRODUCTS

Poly Wrap (PW)	Medium Duty Poly-Coated Kraft Paper	Light Duty - Barrier Protection	5 mil	25 / 27 lbs. per in	9.6 g/day/m2	36", 48" x 600' (48 rolls/pallet) 60", 72", 96" x 600' (30 rolls/pallet)
Reinforced Poly Wrap (RPW)	Tri-Directional Scrim Reinforced Poly-Coated Paper	Light Duty - Moderate Tear and Moisture Protection Required	7 mil	37 / 32 lbs. per in	6.9 g/day/m2	36", 48" x 600' (32 rolls/pallet) 60", 72", 96" x 600' (30 rolls/pallet)
General Purpose Wrap (GPW)	Poly-Coated, Fiberglass Reinforced Laminated Paper	Medium Duty - Superior Moisture Protection	9 mil	44 / 22 lbs. per in	9.3 g/day/m2	36", 48", 60" x 300' (50 rolls/pallet) 72", 96" x 300' (36 rolls/pallet)
Woven Wrap (WW)	Poly-Coated Woven	Heavy Duty - Metal Packaging	4 mil	60 / 38 lbs. per in	15.3 g/day/m2	36", 48" x 600' (48 rolls/pallet) 60", 72", 96" x 300' (36 rolls/pallet)
Woven Wrap -VCI (WW-VCI)	VCI Poly-Coated Woven (Multi-Metal)	Heavy Duty - Metal Packaging, VCI Protection Required	4.7 mil	55 / 23 lbs. per in	4.7 g/day/m2	
SuperBlack	Reinforced, Black PE Coated Vapor Barrier	Concrete Underlayment, Surface Protection	10 mil	83 / 38 lbs. per in	8.7 g/day/m2	96" x 250' (42 rolls/pallet)

INDUSTRIAL PAPER AND FILM PROTECTION PRODUCTS

GRADE	DESCRIPTION	APPLICATIONS	CALIPER	TENSILE STRENGTH (MD/CD)	BARRIER (MVTR)	STANDARD SIZES & PUT-UPS
CF	Self Adhesive, Carpet Protective Film	Surface Protection for carpet	3	N/A	2.6	24", 36" x 200' (90 rolls/pallet) 24", 36" x 500' (56 rolls/pallet)
Kraft Paper - 40#	Recycle Kraft Paper - 40#	Surface Protection for hard surfaces, Void Fill	4.1 mil	23.1 / 24 lbs. per in.	394.5	36", 48" x 810' (30 rolls/pallet)
Kraft Paper - 50#	Recycle Kraft Paper - 50#		5.0 mil	25 / 27 lbs. per in.	383.7	36", 48" x 648' (30 rolls/pallet)
Red Rosin	Recycle Kraft Paper - Red	Surface Protection for hard surfaces	8.0 mil	25.8 / 24.4 lbs. per in.	378.3	36" x 167' (83 rolls/pallet)
Gray Rosin	Recycle Kraft Paper - Gray					
Brown Rosin	Recycle Kraft Paper - Brown					

CUSTOM PRODUCTS

Holland produces a variety of custom products developed to customer specifications. Wide width co-extrusion coating & laminating and aqueous coating provides a high degree of flexibility for custom product development.

BARRIER FOLDING CARTON STOCK
PAPERBOARD STOCK OPTIONS

BOARD TYPE	COLOR	RECYCLED CONTENT	CALIPER RANGE
Recycled Kraft Board	Kraft	100% (90% PCW)	16 to 22 pt.
Recycled White Top Kraft Board	White Top (74 Brightness) and Kraft Bottom	100% (84% PCW)	
SBS	White	0%	12 to 22 pt.
SBS Alternatives		Varies	

BARRIER COATING OPTIONS

Coating Type	Coating Color	Recyclable	Barrier Level
LDPE	Clear	No	★★
HDPE			★★★
Mineral Filled LDPE	Slight Opaque	Yes	★★
Hi-Temp Polymer		No	
Breathable Polymer	Clear		

PRIVATE LABEL BUILDING PRODUCTS

PRODUCT TYPE	DESCRIPTION	STANDARD WIDTH(S)	CUSTOM PRINTING AVAIL.
Flashing	Mechanically attached barrier coated synthetic substrates	6", 9", 12", and 18"	Yes
Sythetic Roofing Underlayment	Barrier and Breathable polymer membranes custom printed for brand recognition	48"	
Surface Protection Products	Custom printing on Holland's standard Blue Shield items, private labeling and custom product development for niche applications	36", 48", 60", and 72"	Yes, but not recommended
Flooring Underlayment		36"	

CORRUGATED BARRIER LINERS

PRODUCT TYPE	DESCRIPTION	STANDARD WIDTH(S)	CUSTOM PRINTING AVAIL.
PE Barrier Liner	Polyethylene laminated kraft liner board for moisture barrier applications	Up to 103"	Yes
Hi-Temp Barrier Liner	Custom polymer surface coated liner thermally stable up to 400°F		

PAPERMILL PACKAGING PRODUCTS

PRODUCT TYPE	DESCRIPTION	STANDARD WIDTH(S)	CUSTOM PRINTING AVAIL.
Header Stock	Polymer Coated Paperboard intended for circular die cutting for end cap protection on paper mill rolls.	47#, 55#(MSF)	Yes
Coated Roll Wrap	Polymer or Water Based Heat Seal coated onto paperboard for barrier roll wrap applications.	31#, 38#, 47#, 57#, 74#(MSF)	
Laminated Roll Wrap	Polymer laminated paperboard for barrier paper mill roll packaging applications	57#, 71#(MSF)	

CAPABILITY OVERVIEW

Kraft Paper: 20-90# Kraft Papers – Natural and Bleached

Paperboard: SBS, CCNB, KLB, Recycled KLB, Bleached KLB, Chipboards, etc.

Nonwovens: 30-180 GSM SBPP, PET, Spunlace, Airlaid, Wetlaid, etc.

Scrims: Fiberglass **Film:** PET, LLDPE, MPET, etc.

Foil: .00025"-0.001" Aluminum Foil

COATING & LAMINATE OPTIONS

Laminate: Asphalt, Hot Melt, LDPE, PP, EMA

Coating: Heat Seal, Water Based Release, LDPE, PP, EMA, custom barriers

Adhesive: Modified Corn Starch, Animal Glue

Functional Additives: UVI, Slip, Colors, others

CONVERTING CAPABILITIES

Co-Extrusion Coating & Laminating: Up to 103" wide, 60" OD

Water Based Coating: Up to 114" wide, 60" OD

Adhesive Coating: Water Based, 72" wide, 60" OD

Printing: Up to 6 Colors, Flexographic – up to 101" wide

Slitting: 5/8" to 120" wide, Up to 60" OD – shear or score cutting

Perforating: Up to 101" wide

Die Cutting: Up to 16" wide – intended for label production



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