

advanced materials for Label & Tag

Label & Tag papers

that overcome the elements





NEENAH PAPER Technical Paper

For over 50 years Technical Paper has been considered an innovative manufacturer and supplier of technically advanced materials used by our customers to create superior performing products.

In the fall of 2004, the Technical Paper division as well as the fine paper and pulp businesses of Kimberly-Clark were spun off to create **Neenah Paper, Inc.**, an independent and publicly traded corporation.

At the new **NEENAH PAPER Technical Paper** we are strengthening our focus on research and development with the addition of new laboratories and test facilities. We can now take advantage of resources available through our other paper business. As the new **NEENAH PAPER Technical Paper** we remain unwavering in our

commitment to satisfy your expectations and needs, and to strive for excellence and continual improvement.

We will do this by providing quality products that fully conform to customer, regulatory and internal requirements. **NEENAH PAPER Technical Paper's** commitment to you is, and will always be, manufacturing and delivering a product that offers you and your customers value through consistent high quality and competitive pricing.

Label & Tag papers

A Preferred Choice for Label & Tag Products

Neenah Paper label and tag products benefit businesses and consumers with enhanced value, performance and quality. Reflecting an over 50-year tradition of excellence in paper making, Neenah Paper Technical Paper offers a broad range of products, formulated to meet the needs of our label and tag customers. For over 20 years, products like KIMDURA® Synthetic Paper and DURAFORM® and PREVAIL® Coated Label Stocks have offered varying combinations of superior print fidelity, conformability and tear resistance, resulting in durable labels for many uses.

Synthetic Label Stocks

KIMDURA®, KIMDURA® UV, KIMDURA® Multi-Task and KIMDURA® IC Synthetic Papers

When your product demands durability, printability, scanability, flexibility, foldability and opacity, KIMDURA® Synthetic Paper is your number one choice. Winning performance, plus paper-like handling, ensures KIMDURA Synthetic Paper will help your labels create a lasting impression. Traditional KIMDURA Synthetic Paper combines excellent resistance to chemicals and moisture, smooth surface properties and sophisticated proprietary top-coatings to reduce smudging and rub-off, while the new KIMDURA IC InkJet Printable Paper has been specifically engineered to perform in inkjet printing applications. The New KIMDURA UV Synthetic Paper platform offers extended UV resistance and chemical resistance which, combined with our smudge coatings, prevents smudging and chemical rub-off. KIMDURA Multi-Task Synthetic Paper, a new offering targeted for tag applications that demand tear resistance and resistance to common solvents, offers excellent outdoor durability. This offering is engineered to offer the printer the ability to use four color process, and can be variable imaged by a wide range of thermal transfer ribbons.

Coated and Saturated Stocks

DURAFORM® Latex Saturated Stock and PREVAIL® Fiber Reinforced Paper

DURAFORM Latex Saturated Stock is an ideal substrate for computer-imprintable labels. Specially formulated top coatings accept and hold toners and inks from a broad range of variable printing technologies. You can also be sure a message printed on DURAFORM Latex Saturated Stock will be received. Latex coating/saturation stands up to moisture, heat, cold and handling without deterioration of the image or the label itself.

PREVAIL Fiber Reinforced Paper provides the printability of traditional saturated face stocks, with an important difference. It's reinforced with synthetic fibers for added durability and strength. In fact, the strength of PREVAIL Fiber Reinforced Paper often surpasses conventional synthetic or conventional paper stocks. It's perfect for sewable labels in garment, furniture and automotive applications.

Use our versatile tag and label stocks for:

- Ski Lift Tags
- Airline Bag Tags
- Hunting License Tags
- Laser Print Drum Labels
- Oil and Moisture Labels
- Clothing Tags
- Furniture
- Mattress Tags
- Nursery Tags
- Parts Labels
- Car Cover Tags
- Shelf Labels
- Work-in-Process Labeling
- RFID Labeling
- Shipping Tags and Labels
- Automotive Labeling
- Injection Molding
- On Demand Printing Applications
- Booklet Labels
- Care Labeling
- Chemical Warning Labels
- Cut and Stack Labels
- Law Labeling
- Hang Tags

Label & Tag papers

product chart:

SYNTHETIC LABEL & TAG STOCK ▶

COATED/SATURATED LABEL & TAG STOCK ▼

* Other label and tag grades/thicknesses are also available. Please contact customer service at 800-344-5287 for additional information.

SYNTHETIC LABEL & TAG STOCK

Kimdura® Synthetic Paper			NEW Kimdura® UV UV Resistant Synthetic Paper	NEW Kimdura® Multi-Task Synthetic Paper	NEW Kimdura® IC Inkjet Compatible Synthetic Paper
Description*	Smudgeproof Face Stock	Smudgeproof Tag Stock	UV Stable Smudgeproof Face Stock	High Strength Smudgeproof Tag Stock	Water Fast Inkjet Synthetic Paper
Typical Properties					
Caliper (mils)	3.2 - 4.2	8 - 10	3.8 - 4.2	6, 8+10	4.2
UV Resistance (months)	12	12	18	12	12
Printing Processes* (1) Excellent • (2) Good • (3) Not Recommended *Printing trials are recommended to confirm compatibility of substrate with your printing equipment & process.					
Standard Line Copy	1	1	1	1	1
Able to Hold Register	1	1	1	2	2
4-Color Process	1	1	1	1	2
Inkjet	3	3	3	3	1
Thermal Transfer	1	1	1	1	1
Desktop Laser	3	3	3	3	3
High Speed Hot-Fusion	3	3	3	3	3
Cold/Flash-Fusion	2	2	2	2	2
Dot Matrix	1	1	1	1	1
Writability (ballpoint)	1	1	1	1	1
Material Strengths	Excellent surface uniformity and printability. High opacity for generating high quality images.	Excellent surface uniformity and printability. High opacity for generating high quality images.	Excellent surface uniformity and printability. High opacity for generating high quality images. Extended uv resistance for longer outdoor durability.	Excellent surface uniformity and printability. High opacity for generating high quality images. Good initiated tear resistance, unsupported hole strength. Product is sewable.	Excellent surface uniformity and printability, good for inkjet EDP labels.
End Use Applications	Thermal transfer PS labels, long-term indoor/outdoor applications and moisture/chemical resistant.	Thermal transfer PS labels, long-term indoor/outdoor applications and moisture/chemical resistant.	Thermal transfer tags, ID Cards, long-term indoor/outdoor applications and moisture/chemical resistant.	Thermal transfer tags, ID Cards, long-term indoor/outdoor applications and moisture/chemical resistant.	EDP tags/labels, indoor/outdoor applications and moisture/chemical resistant.

COATED/SATURATED LABEL & TAG STOCK

DuraForm® Latex Saturated Stock								Prevail® Fiber Reinforced Paper	
Description*	60# Print coat Label Face Stock	54# Print Coat Label Face Stock	Saturated C1S FDA Label Face Stock	56# Economy C1S Print Coated Label	53# Saturated Smudge Resistant Label Face Stock	55# Saturated Label Stock for Inkjet Applications	60# C2S Saturated Laser Label Face Stock	85# Washable Tag	125# Laser Tag
Grade Specification	0774P0	0845P0	0179P0	0787P0	0446P0	2103P0	0260P0	0784P0	0829P0
Typical Properties									
Basis Weight (3000 sq.ft.)	50.2	54.4	61.2	56.4	54.4	55.4	59.7	84.6	125.2
Caliper (mils)	3.2	3.8	3.2	3.8	4.4	5.0	3.7	6.8	10.1
Printing Processes* (1) Excellent • (2) Good • (3) Not Recommended *Printing trials are recommended to confirm compatibility of substrate with your printing equipment & process.									
Flexo (water, UV & Solvent)	1	1	1	1	1	2	2	2	2
Letter Press	1	1	1	1	1	2	2	2	2
Price Marking	2	2	2	2	2	2	2	3	3
Thermal Transfer	2	2	2	2	3	3	3	3	3
Inkjet	3	3	3	3	3	1	3	3	3
Rotary Screen	2	2	2	2	3	3	2	3	3
Rotary Offset	2	2	2	2	3	3	2	3	3
Laser Toner	3	3	3	3	3	3	1	1	1
Dot Matrix	3	3	3	3	1	2	2	2	2
UV Varnishing	1	1	1	1	2	3	3	3	3
Ion Deposition	2	2	2	2	2	3	2	3	3
Material Strengths	Water resistant, high internal bond, dimensionally stable coating under extreme conditions, non-yellowing top coating and conforms to many types of surfaces.	Water resistant, high internal bond, dimensionally stable coating under extreme conditions, non-yellowing top coating and conforms to many types of surfaces.	Water resistant, high internal bond, dimensionally stable coating under extreme conditions, non-yellowing top coating and conforms to many types of surfaces.	Water resistant, high internal bond, dimensionally stable coating under extreme conditions, non-yellowing top coating and conforms to many types of surfaces.	Water resistant, high internal bond, dimensionally stable coating under extreme conditions, non-yellowing top coating and conforms to many types of surfaces.	Water resistant, high internal bond, dimensionally stable coating under extreme conditions, non-yellowing inkjet coating that is water fast and conforms to many types of surfaces.	Water resistant, high internal bond, dimensionally stable coating under extreme conditions, non-yellowing laser coating that offer superior toner bond and conforms to many types of surfaces.	Synthetic fiber reinforced paper for added durability. Strength properties surpass many synthetic and conventional paper.	Synthetic fiber reinforced paper for added durability. Strength properties surpass many synthetic and conventional paper.
End Use Applications	Coupons, cosmetics, bottles, product identification, pharmaceuticals and appliances.	Coupons, cosmetics, bottles, product identification, pharmaceuticals and appliances.	Coupons, cosmetics, bottles, product identification, pharmaceuticals and appliances.	Coupons, cosmetics, bottles, product identification, pharmaceuticals and appliances.	EDP/Bar Code Label - print on demand bar codes.	Print on demand bar codes - with an inkjet printer.	Print on demand bar codes with a laser printer, shelf labels, drum labeling.	Washable and sewable tags/label applications such as garments, carpet, mattress, pillow furniture, upholstery, automotive and nursery tags.	Washable and sewable tags/label applications such as garments, carpet, mattress, pillow furniture, upholstery, automotive and nursery tags.

Label & Tag papers

Converting Characteristics

For KIMDURA® Synthetic Papers:

- Avoid temperatures exceeding 170° F (77 °C).
- Dot matrix print produces clear high density images and print with no smudging and smearing.
- At low temperatures fold endurance is not affected until -40° F.
- Built in toughness results in high tensile strength and high tear resistance.
- Can be die cut cleanly and easily with dies that are made of hardened steel, kept sharp and free of nicks. Right angle cuts should be made with a 1/16 inch radius to prevent tearing. A sharp corner will act as a nick and tear easily.
- Product can be embossed and drilled.
- Compatible with common label printing inks – UV, solvent, water based.
- Compatible with common varnishes – UV, solvent and water based.
- Compatible with common pressure sensitive adhesives – acrylic, solvent.
- No problems or issues with die cutting and stripping on label presses.

For DURAFORM® Latex Saturated Stock:

- The ability to withstand all the extremes of humidity and temperature. Unsaturated C1S sheets would wrinkle and fall apart, and the coating would delaminate from the base sheet causing the printed image to disintegrate.
- Superior lay-flat characteristics vs. unsaturated C1S papers. DURAFORM Latex Saturated Stock is excellent for containers with tight radius.
- Conforms to most surfaces. The adhesive used is of primary importance for adhesion, but the “hinge-like” effect of a latex saturated paper prevents the paper from attempting to pull away from the contours to return to a “flat-state,” thus increasing the demand on the adhesive.
- Excellent fold properties where an unsaturated C1S may have crack-at-the-fold issues.
- Less issues with curl than an unsaturated C1S. (The same latex saturated paper properties that help with “conformance to the surface” also help prevent curl problems.)
- Superior strength and durability properties vs. unsaturated C1S. Latex saturated label offers excellent wet and dry rub resistance, pick and overall dimensional stability.
- Resistance to water, oil and grease.

DURAFORM Latex Saturated Stock is utilized in many applications and industries. Furthermore, we can apply top coatings to meet specific printing requirements. NEENAH PAPER Technical Paper Sales and R&D support is available to help design products to fit customer needs.





KIMDURA® Synthetic Paper
DURAFORM® Latex Saturated Stock
MUNISING® LP Clean Room Paper
EPIC II® Graphic Cover Material
PREVAIL® Fiber Reinforced Paper
HEIRLOOM® Furniture Construction Material

North America **800.344.5287**

Outside North America **906.387.2700**

www.technicalpaper.com

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ISO 9001:2000 Registered Quality Management System.

Folder PRINTED ON **NEW CLASSIC® Linen** Double Thick Cover **SOLAR WHITE 130lb** (352 g/m²)
Insert PRINTED ON **CLASSIC® Linen** Text **SOLAR WHITE 80lb** (118 g/m²)