

## TYPICAL USES

### PACKAGING

Frozen & Refrigerated Food  
 Dry & Prepared Food  
 Food Service  
 Personal Care  
 Pharmaceutical  
 Household Goods  
 Toys  
 Office Products  
 Graphic Liner  
 Automotive

KlaFold is a high-quality, coated unbleached kraft paperboard with low-density, high-yield characteristics that provide outstanding strength and durability. KlaFold offers superior printing and converting performance due to its exceptional smoothness and consistency. USFDA and ISEGA compliance make this product ideal for most direct and indirect food contact applications, as well as for cartons and lightweight packages of all types.

### PRODUCT FEATURES

Low-Density, High-Yield

Surface Uniformity

Strength and Durability

Environmentally Conscious

### CERTIFICATIONS

Manufacturing

Forestry and Procurement

Food Contact

Environmental and Safety

### PRODUCT CLASSIFICATIONS

Product Type:

Structure:

### BENEFITS

KlaFold's unique three-ply structure utilizes less fiber for a given caliper, generating more cartons per ton. Yield advantage and source reduction make it an efficient and cost-effective packaging option.

Clay coating provides a consistent, smooth surface with outstanding ink holdout resulting in excellent printability.

The unbleached, long fiber base layer supplies supreme package integrity. As a result, KlaFold is versatile enough to take on virtually any design feature and application.

The use of renewable and recyclable natural fibers combined with Klabin's FSC chain of custody certification make KlaFold align with sustainability goals. In addition, lower weight per package can provide transportation and energy savings resulting in lower total cost and lessened environmental impact.

NBR ISO 9001:2000

FSC chain of custody certified

USFDA 21 CFR §176.170 – Contact with Aqueous & Fatty Foods without restriction  
 USFDA 21 CFR §176.180 – Contact with Dry Food without restriction  
 ISEGA certificate of conformity / BgVV Compliant  
 ISO 22000:2006 Food Safety Management

NBR ISO 14001:2004

OHSAS 18001:1999

ASTM F 963-95 Toy Safety, EN 71-3 European Toy Safety Compliant  
 Elemental Chlorine Free (ECF) Bleached Fiber  
 EC/94/62 Article II Compliant  
 RoHS Compliant

Composite of Pine and Eucalyptus Fibers, coated unbleached Kraft

Pine Base Layer, Eucalyptus CTMP and Pine Middle Layer with Bleached Top Layer - Clay Coated One Side

### GRADE AVAILABILITY & TYPICAL PROPERTIES (US)

Grade Availability by Caliper				Units	Method	
Caliper (pts)	13.4	15.6	16.9	mils	Calculated	
Nominal Basis Weight	45.1	51.2	56.4	lb/msf	T-410	
Moisture	7.5	7.5	7.5	percent	On-line	
Cobb	40	40	40	g H <sub>2</sub> O/m <sup>2</sup>	T-441	
Stiffness						
Taber 15°	MD	100	146	192	g-cm	Calculated
	CD	41.9	63.5	85.2	g-cm	Calculated
<b>Coated Side</b>						
GE Brightness	81	81	81	percent	T-452	
Parker Print	1.5	1.5	1.5	µm	ISO 8791-4	
Sheffield	74	74	74	mL/min	ISO 8791-2	
Color						
Hunter Value	L	92.7	92.7	92.7	-	T-524
	a	0.0	0.0	0.0	-	T-524
	b	2.2	2.2	2.2	-	T-524

### GRADE AVAILABILITY & TYPICAL PROPERTIES (METRIC)

Grade Availability by Weight				Units	Method	
Nominal Basis Weight	220	250	275	gsm	T-410	
Thickness	340	395	430	microns	ISO 534	
Moisture	7.5	7.5	7.5	percent	On-line	
Cobb	40	40	40	g H <sub>2</sub> O/m <sup>2</sup>	T-441	
Stiffness						
L&W 15°	MD	203	296	390	mN	T-556
	CD	85	129	173	mN	T-556
<b>Coated Side</b>						
GE Brightness	81	81	81	percent	T-452	
Parker Print	1.5	1.5	1.5	µm	ISO 8791-4	
Sheffield	74	74	74	mL/min	ISO 8791-2	
Color						
CIE	L*	92.7	92.7	92.7	-	ISO 2469
	a*	0.0	0.0	0.0	-	ISO 2469
	b*	2.2	2.2	2.2	-	ISO 2469

For more information, please contact your MWV representative, or visit our website at [www.meadwestvaco.com](http://www.meadwestvaco.com).