

KapStone Kraft Liner

TYPICAL USES

Packaging

Corrugated Containers
Laminations
Wraps

INTRODUCTION

KapStone linerboard grades are two-ply, natural kraft substrates designed to provide optimum performance when combined with corrugating medium in the construction of corrugated boxes.

Three distinct gradelines are offered: Regular, Mullen-standard Kraft Liner (KL), High Compression Liner (HCL) and Ultra Performance Liner (UPL).

Superior strength, appearance and performance standards make KapStone grades ideal for corrugated boxes as well as specialty non-box applications.

PRODUCT FEATURES

KapStone Kraft Liner

BENEFITS

KapStone's basic Kraft Liner sets the standard for consistent, balanced structure; appearance and performance. Two-ply construction and rigorous production standards combine specially refined top and bottom kraft fibers for reliable strength, printability and converting performance.

KapStone High Compression Liner

Produced under rigorous manufacturing standards, KapStone HCL provides 15% greater strength per pound than standard kraft liner, allowing significant box weight reduction while maintaining excellent box compression strength, printability and appearance.

KapStone Ultra Performance Liner

Produced with demanding fiber preparation strategy and tightly controlled paper machine operating parameters, KapStone UPL grades deliver superior strength per pound with a 25% weight reduction compared to standard kraft liner. These grades provide ultimate weight reduction with excellent strength, converting and printability.

Sustainability

Fiber sourcing is renewable, traceable and recyclable. All UPL grades provide source reduction.

CERTIFICATIONS

Manufacturing

Charleston product manufactured under a registered ISO 9001-2008 series quality management system

Forestry and Procurement

SFI® Fiber Procurement and Chain of Custody Certification
PEFC™ Chain of Custody Certification*
FSC® Chain of Custody Certification*
ATFS (American Tree Farm System®) Group Certification

Food Contact

Compliance with USFDA 21 CFR §176.170 and 21 CFR §176.180
Packaging for all food types I, II, IV, V, VIA, VIB, VII, VIII, IX
(Ref. 21 CFR 176.170, Table 1)
Conditions of use: A through H (Ref. 21 CFR 176.170, Table 2)

Environmental and Safety

US California Proposition 65 Compliant
CONEG Model Heavy Metal and EC/94/62 Article II Compliant
CPSC 16 CFR 1303 Lead Ban Compliant
Elemental Chlorine Free (ECF) Unbleached Fiber
RoHS Compliant

PRODUCT CLASSIFICATIONS

Product Type

Unbleached Linerboard

Structure

Uncoated kraft, two-ply paperboard



KAPSTONE®

* Applies for Charleston Mill grades

KapStone Kraft Liner (KL)- Grade Availability & Typical Properties

Grade Availability by Weight									Units	Method
Basis Wt.	20	22	26	33	42	51	57	69	lb/1000 sq ft	T-410
Moisture	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	percent	T-412
Sheffield Roughness	350-400	350-400	350-400	350-400	350-400	350-400	350-400	350-400	Sheffield Units	T-538
Mullen	60	65	75	90	110	125	145	155	psi	T-807
Cobb, Top	45	45	45	45	45	45	45	45	g/m ²	T-441
Cobb, Bottom	55	55	50	50	50	50	50	50	g/m ²	T-441
Taber Abrasion	50-100	50-100	50-100	50-100	50-100	50-100	50-100	50-100	mg/1000 rev	T-476
Gurley Porosity	20	20	20	20	25	25	25	25	sec	T-460

KapStone High Compression Liner (HCL) - Typical Properties

Grade Availability by Weight				Units	Method
Basis Wt.	35	47	55	lb/1000 sq ft	T-410
Moisture	7.0	7.0	7.0	percent	T-412
Cobb, Top	45	45	45	g/m ²	T-441
Cobb, Bottom	50	50	50	g/m ²	T-441
STFI CD	22.0	27.5	33.5	lb/in	T-826
Taber Abrasion	50-100	50-100	50-100	mg/1000 rev	T-476
Gurley Porosity	18	25	25	sec	T-460

KapStone Ultra Performance Liner (UPL) - Typical Properties

Grade Availability by Weight								Units	Method
Basis Wt.	24	27	29	31	33	42	50.5	lb/1000 sq ft	T-410
Moisture	7.0	7.0	7.0	7.0	7.0	7.0	7.0	percent	T-412
Cobb, Top	45	45	45	45	45	45	45	g/m ²	T-441
Cobb, Bottom	55	55	55	55	55	55	55	g/m ²	T-441
STFI CD	16.5	18.5	20.0	21.0	22.5	28.0	33.5	lb/in	T-826
Taber Abrasion	50-100	50-100	50-100	50-100	50-100	50-100	50-100	mg/1000 rev	T-476
Gurley Porosity	25	25	25	25	25	40	35	sec	T-460



KAPSTONE®

For more information about this product, please contact your KapStone representative, service partner or merchant.

Published by KapStone Paper and Packaging Corporation. 08/10

© 2010 KapStone Paper and Packaging Corporation. All rights reserved worldwide.