

DuraSorb® Saturating Kraft



TYPICAL USES

Decorative Laminates

Kitchen & Bath Countertop
Home & Office Furniture
Flooring
Shelving

Compact Laminates

Home & Office Furniture
Doors
Exterior Cladding
Interior Partitions

Industrial

Printed Circuit Boards
Copper Clad Laminates
Concrete Forms
Wall & Roof Sheathing
Siding & Exterior Panels
Evaporative Cooling Element
Drill Boards
Paint Roller Tubes
Phenolic Gaskets and Gears
Audio Equipment

INTRODUCTION

DuraSorb® Saturating Kraft offers superior performance and product consistency, backed by unmatched customer and technical service support. Unsurpassed in its reputation for high-speed phenolic resin impregnation and laminate processibility, KapStone DuraSorb® enhances production efficiency and laminate performance. In addition, two customized grades are available: HIPEX®, which solves customer issues for resin penetration, and CORFORM®, which addresses customer's postforming issues.

PRODUCT FEATURES

Superior Saturability

BENEFITS

Through careful control of density, fiber selection, and refining processes, DuraSorb® delivers superior saturability performance that sets the standard in the laminate industry. Saturability requirements can be optimized to improve the impregnation process.

Impregnation Line Runnability

Outstanding uniformity and product consistency improve impregnation operations that optimize productivity and reduce manufacturing costs.

Improved Resin Penetration

Through our HIPEX® grades, we provide a sheet with equivalent laminate performance at lower resin content, thus reducing total manufacturing cost.

Postformability

Improved backbend postforming requirement through our Customized Saturating Kraft grade called CORFORM®

CERTIFICATIONS

Manufacturing

ISO 9001:2000

Forestry and Procurement

SFI® Standards for Land Management and Wood Procurement
PEFC Endorsed

Environmental and Safety

US California Proposition 65 Compliant
CONEG Model Heavy Metal and EC/94/62 Article II Compliant
RoHS Compliant

PRODUCT CLASSIFICATIONS

Product Type

Saturating Kraft

Structure

Unbleached Kraft Solid Paperboard



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Grade Availability & Typical Properties (US)

Grade Specified by TAPPI Weight												Units	Method
TAPPI Basis Weight*	70	90	99	105	118	132	135	140	152	184	225	#/3000 ft ²	T-410
Production Moisture Content	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	percent	T-412
Standard Density**	11.8	10.3	10.3	11.0	10.3	10.3	10.3	10.3	10.0	10.6	10.3	#/3000 ft ² per mil	Proprietary
Saturability Index***	50 - 60	60 - 70	60 - 70	53 - 63	60 - 70	60 - 70	60 - 70	60 - 70	57 - 67	50 - 60	44 - 54	Index	Proprietary

* TAPPI Basis weight is paper weight conditioned to 7.3% moisture content after 24 hours of conditioning at 73°F and 50% relative humidity

** Typical density range - 10.0 to 11.0 #/3000 ft² per mil, TAPPI BW (#/3000 ft²) / Caliper (mils)

*** Listed at typical saturability ranges for listed basis weights. Specific targets are set by the customer.

Grade Availability & Typical Properties (Metric)

Grade Specified by TAPPI Weight												Units	Method
TAPPI Basis Weight*	114	146	161	171	192	215	220	228	247	299	366	g/m ²	T-410
Production Moisture Content	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	percent	T-412
Standard Density**	0.79	0.66	0.66	0.73	0.66	0.66	0.66	0.66	0.66	0.70	0.66	g/cm ³	T-220
Saturability Index***	50 - 60	60 - 70	60 - 70	53 - 63	60 - 70	60 - 70	60 - 70	60 - 70	57 - 67	50 - 60	44 - 54	Index	Proprietary

* TAPPI Basis weight is paper weight conditioned to 7.3% moisture content after 24 hours of conditioning at 23°C and 50% relative humidity.

** Typical density range - 0.60 to 0.80 g/cm³

*** Listed at typical saturability ranges for listed basis weights. Specific targets are set by the customer.



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

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