

WestRock  
**VersaFile™ Manila**  
File under “Versatility.”



WestRock VersaFile™ Manila is a highly versatile uncoated, bleached paperboard. It's well suited for a variety of uses from simple, high-volume file folders to value-added products for professional applications. Looking to meet sustainability goals? Optional post-consumer recycled fiber (PCF) adds to this paperboard's versatility while enhancing sustainability qualifications for government contracts and retail requirements.

**Packaging uses**

- File Folders
- Side- or Top-Reinforced Folders
- Hanging Folders
- Expanding Pocket Folders
- Inserts or Folders with Fasteners
- Inserts, Dividers and Jackets

**Product Classification**

- Solid Bleached Sulfate
- SBS Uncoated Paperboard

**What You Can Expect from Us**

- Runnability** Precise manufacturing techniques ensure consistent caliper, basis weight and moisture content. You can expect a high level of consistency from roll to roll and order to order, which results in excellent die cutting and folding performance.
- Shade** With on-machine continuous color management and post-production quality control processes, you can expect a highly consistent shade.
- Durability** Our unique fiber formulation delivers excellent stiffness and tear resistance.
- Recycled Fiber Content** Depending on the grade, you can choose from 10% or 30% post-consumer recycled fiber content. This is especially attractive to retailers and government agencies seeking to meet sustainability goals.

**Additional Product Information**

- Sustainability** Recyclable.  
Recycled fiber content available by specification.  
All WestRock North American paperboard mills are certified to the SFI®, PEFC™, FSC™ Chain of Custody Standards. Contact your WestRock sales representative for certified fiber availability for this product.
- Quality** Produced at an ISO 9001 certified facility.
- Environmental and Safety** Notices under US California Proposition 65 and the EU REACH regulation are not required.  
Elemental chlorine free (ECF) bleached fiber.  
Meets heavy metal limits of the US Model Toxics in Packaging rules and Article 11 of EU Directive 94/62/EC.

## Grade Availability & Typical Properties (U.S.)

VersaFile™ Manila

Grade Availability by Caliper										Units	Method
<b>Post Consumer Fiber Content</b>	10%	10% and 30%	10% and 30%	10% and 30%	10%	10%	0%	10%	percent		
<b>Caliper (pts)</b>	0.0095	0.0105	0.0110	0.0110	0.0110	0.0140	0.0150	0.0180	inches	T-411	
<b>Nominal Basis Weight</b>	110	114	118	124	143	185	200	230	lbs/3000 sq ft	T-410	
<b>Moisture</b>	6.0	6.0	6.0	6.5	6.0	6.5	6.5	6.5	percent	T-412	
<b>Coefficient of Friction (COF)</b>	0.45	0.40	0.40	0.40	0.45	0.43	n/a	0.40	static	T-815	
<b>Elmendorf Tear</b>											
<b>Dry</b>	<b>MD</b>	255	270	290	360	400	460	470	546	gf	T-414
	<b>CD</b>	295	330	360	360	470	500	490	575	gf	T-414
<b>Stiffness</b>											
<b>Taber 15°</b>	<b>MD</b>	37	46	52	46	70	112	135	215	gf-cm	T-489
	<b>CD</b>	16	19	21	21	27	47	65	105	gf-cm	T-489
<b>Smoothness</b>											
<b>Sheffield</b>	<b>Wire</b>	230	320	320	287	195	150	135	165	mL/min	T-538
	<b>Felt</b>	250	340	340	260	155	190	175	205	mL/min	T-538
<b>Color</b>											
<b>Hunter</b>	<b>L</b>	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	L-a-b	T-524
	<b>a</b>	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	L-a-b	T-524
	<b>b</b>	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	L-a-b	T-524

## Grade Availability & Typical Properties (Metric)

Grade Availability by Weight										Units	Method
<b>Post Consumer Fiber Content</b>	10%	10% and 30%	10% and 30%	10% and 30%	10%	10%	0%	10%	percent		
<b>Thickness</b>	241	267	279	279	279	356	381	457	microns	T-411	
<b>Nominal Basis Weight</b>	179	186	192	202	233	301	326	374	gsm	T-410	
<b>Moisture</b>	6.0	6.0	6.0	6.5	6.0	6.5	6.5	6.5	percent	T-412	
<b>Coefficient of Friction (COF)</b>	0.45	0.40	0.40	0.40	0.45	0.43	n/a	0.40	static	T-815	
<b>Elmendorf Tear</b>											
<b>Dry</b>	<b>MD</b>	255	270	290	360	400	460	470	546	gf	T-414
	<b>CD</b>	295	330	360	360	470	500	490	575	gf	T-414
<b>Stiffness</b>											
<b>Taber 15°</b>	<b>MD</b>	3.6	4.5	5.1	4.5	6.9	11.0	13.2	21.1	mNm	T-489
	<b>CD</b>	1.6	1.9	2.1	2.1	2.6	4.6	6.4	10.3	mNm	T-489
<b>Smoothness</b>											
<b>Sheffield</b>	<b>Wire</b>	230	320	320	287	195	150	135	165	mL/min	T-538
	<b>Felt</b>	250	340	340	260	155	190	175	205	mL/min	T-538
<b>Color</b>											
<b>Hunter</b>	<b>L</b>	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	L-a-b	T-524
	<b>a</b>	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	L-a-b	T-524
	<b>b</b>	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	L-a-b	T-524

Values are subject to change without notice.

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

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Certificate Codes: SFI Certified Sourcing: NSF-SFI-CS-6S751, SFI CoC: NSF-SFICOC-6S751, PEFC: NSF-PEFCCOC-6S751, FSC Company Code: FSC-C104002

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