



## ATHENA FLEXI

Crepe paper is an environmentally friendly multifunctional solution to replace plastic-based materials used for wrapping goods with irregular shapes and surfaces.

### KEY FEATURES AND BENEFITS

- Natural brown color
- High degree of strength and purity
- Pinhole-free paper with enhanced mechanical properties
- Widths available from 20 mm – 2500 mm and grammage from 42/60 gsm – 100/200 gsm

### APPLICATIONS

- Packaging and surface protection
- Filter papers



- Joint tape
- Insulation and vibration dampening

MD - Machine Direction / CMD - Cross Machine Direction.

The Technical Data reported here are typical results for routine tests made in the Weidmann Laboratory.

Additional specific data is available on request.

This matrix is provided for reference purposes only to consider options for your application. While we recommend certain grades which successfully performed in specific applications, our Customer Service and Product Development teams will be happy to work closely with you to review your application requirements and select the grade, prototype if necessary and develop a solution which works best for you.

Some grades can be used and interchanged across multiple applications successfully. The fiber sources we use include virgin pulp and proprietary natural fiber blends. We extensively utilise our internal offcuts to minimize environmental impact and reduce the waste. Our paper grammage ranges from  $\geq 100$  gsm up to 500 gsm, however our lamination capabilities allow us to produce the paper from  $\geq 600$  gsm up to 1000 gsm. Our converting capabilities vary for different grades which provides us with opportunity to find Maplex Paper grade most suitable for your project.

Made in USA and Ukraine

### TECHNICAL DATA

			CD C50/12	MD C70/12	LD90/50	LD100/50	LD120/100	LD120/50	LD130/100	LD150/50	LD160/100	LD170/185	LD200100	
Properties		Standard	UOM	Typical Values										
Grammage		ISO 536	g/m²	50	70	90	104	122.5	122	134	152	161	171	206
Moisture content		ISO 287	%	5	5	8	N/A	8	N/A	N/A	N/A	N/A	N/A	N/A
Density		ISO 534	g/cm³	1	0.9	0.33	0.31	0.35	0.38	0.39	0.38	0.44	0.42	0.43
Tensile index	MD	ISO 1924-2	Nm/g	63	56	20	69	33	67	63	57	63	60	57
Tensile index	CMD	ISO 1924-2	Nm/g	30	30	3	33	20	33	36	33	35	35	33
Tensile strength	MD	ISO 1924-2	kN/m	N/A	N/A	4.7	4.7	3	5.3	4.5	5.3	5	3.8	5.7
Tensile strength	CMD	ISO 1924-2	kN/m	N/A	N/A	2	3.3	2.5	4	4.6	6	5.4	5.7	6.6
Elongation	MD	ISO 1924-2	%	12	12	50	52	100	50	96	50	103	173	109
Elongation	CMD	ISO 1924-2	%	5.5	5.2	3	4.3	3	4	4.7	4.1	5	4.9	4.4
Ash content		ISO 2144	%	0.3	0.3	1	0.3	1	0.3	0.3	0.3	0.3	0.3	0.3
pH value of aqueous extract		IEC 60554-2		6.9	7	7	6.8	7	6.9	6.8	6.8	6.8	6.9	6.9

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