

CLAF® Fabrics Typical Physical Properties

CLAF® produced in USA

Grade		PE CLAF® Fabrics										
		LS		HS	MS	JX 28	S			SS		
		LS 9215	LS 9217	HS 9337	Various	Various	S 8520	S8532	Various	SS 1602	SS 1601	
Color	-	Natural	Natural	Natural	9 Colors	9 Colors	Natural	Natural	9 Colors	Natural	Natural	
Width	meters	2.87	3.2	3.2	2.87	2.87	3.2	2.87	2.87	2.5	2.8	
	inches	113	126	126	113	113	126	113	113	98	110	
Basis Weight	gsm	42	39	33	30	28	24	24	22	18	18	
	osy	1.24	1.15	0.97	0.91	0.83	0.71	0.71	0.65	0.53	0.53	
Thickness	microns	208	208	198	160	147	130	130	127	107	107	
	mils	8.2	8.2	6.7	6.4	5.8	5.1	5.1	5	4.9	4.9	
Strand Count	/5 cm	MD	17	17	13	16	16	14	16	16	10	9
		CD	14	14	14	14	14	14	14	14	13.5	13.5
	/2 inch	MD	17	17	13	16	16	14	14	16	10	9
		CD	14	14	14	14	14	14	14	14	13.5	13.5
Tensile strength	N/5 cm	MD	280	271	196	173	174	169	153	146	90	90
		CD	254	254	258	222	178	169	156	142	157	157
	lbs/2 inch	MD	63	61	44	47	39	34	38	33	20	20
		CD	57	57	58	46	40	35	38	32	35	35
Tensile Elongation	%	MD	30	30	27	25	24	24	23	24	21	21
		CD	27	27	31	22	20	19	17	19	24	24

Style LS and HS are our highest weight CLAF® fabric, for the strongest composite requirements.

Styles S and MS CLAF® fabrics are available in 9 colors suitable for US and European food packaging applications, process easily on packaging equipment. It's a mesh that processes like a film!

CLAF® fabric style SS has excellent extrusion lamination and extrusion coating properties. Adds strength and tear resistance to papers, films and foils.

Test method:	Basis Weight	ASTM D3776
	Thickness	ASTM D1777
	Tensile Strength	ASTM D882
	Elongation	ASTM D882

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CLAF® produced in Japan

Grade	EX(T)	LX(F)	HS(T)	HS(T)90104	S(F)EL	SS(T)EL	SS(T)	3S(T)	HSP(T)	SP(T)	SSP(T)
Color	Natural	Natural	Natural	Natural	Natural	Natural	Natural	Natural	Natural	Natural	Natural
Width, meters	2.15	2.12	2.15	2.8	2.15	2.15	2.15	2.55	2.15	2.15	2.15
Basis Weight, gsm	47	42	36	36	23	20	20	18	37	27	22
Tensile strength, N/5 cm	MD	280	220	210	200	140	100	100	80	230	150
	CD	280	220	210	200	140	110	110	100	230	150

Style EX and LX are our highest weight, strongest CLAF® fabric, but it also heat seals at low temperatures and thermally bonds easily to polyethylene and polypropylene films, nonwovens, and synthetic paper.

Styles HS and S CLAF® fabrics are suitable for US and European food packaging applications, process easily on tubing and form/fill/seal equipment. It's a mesh that processes like a film!

CLAF® fabric style SS and 3S have excellent extrusion lamination and extrusion coating properties. Adds strength and tear resistance to papers, films and foils.

HSP(T), SP(T), and SSP(T) are polypropylene type.

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