

METRIC BASIS WEIGHTS AND DIGITAL PROFILING

Today, many digital presses benchmark their paper grades by utilizing basis weight and caliper. In most instances the basis weight is listed in the metric unit of Grams per Square Meter (GSM). The caliper is shown in thousands of an inch. The chart shows the U.S. basis weight and the equivalent weight listed in GSM, including the target caliper for different grades.

Please Note: While coated gloss, coated dull and uncoated offset all have the same GSM, there can be a significant difference in their caliper. Also, these are target caliper ranges, and slight differences between different mill grades are typical.

N/A indicates not available for digital us

	U.S. Weights	GSM	Caliper Coated Gloss	Caliper Coated Silk / Dull	Caliper Uncoated Offset / Opaque
Coated and Uncoated Offset Text Weights	50 lb	74	N/A	N/A	.0038
	60 lb	89	N/A	N/A	.0046
	70 lb	104	.0032	.0035	.0052
	80 lb	118	.0037	.0040	.0061
	100 lb	148	.0047	.0050	.0077
Coated and Uncoated Cover Weights	65lb	176	N/A	N/A	.0088
	80 lb	216	.0072	.0076	.0110
	100 lb	270	.0092	.0097	.0141
	120 lb	324	.011	.0117	N/A
Bond or Copy Paper	20 lb	75	.0040		
	24 lb	90	.0047		
	28 lb	105	.0054		
	32 lb	118	.0062		
Index	90 lb	162	.0077		
	110 lb	199	.0095		
Tag	100 lb	162	.007		
	125 lb	203	.0097		
	150 lb	244	.0115		
Vellum Bristol	67 lb	147	.0087		
	80 lb	175	.0103		
SBS Board – Tango NOTE: GSM may vary by mill	10 pt C1S	195	.010		
	12 pt C1S	230	.012		
	14 pt C1S	268	.014		
	16 pt C1S	296	.016		
	18 pt C1S	320	.018		
	10 pt C2S	220	.010		
	12 pt C2S	260	.012		
	14 pt C2S	295	.014		
16 pt C2S	330	.016			

