

## THREAD USE CALCULATIONS

We would suggest you determine the tensile strength needed to securely close your container without breakage and then purchase a thread to that specification. Since thread is sold by the pound, purchasing a higher tensile strength than needed is wasting money. Refer to the chart below or comparisons.

Feet per lb. is based on a formula. The first number in a description is the filament size. The second number is the number of those filaments in a strand. For example, a 12/4 has a filament size of 12 and there are 4 filaments in the strand. To calculate the feet per lb., divide the 1st number by the second number and multiply by 840 then multiply by 3. For example, 12 divided by 4 equals 3 times 840 equals 2520 yards per lb. times 3 equals 7560 feet per lb.

Thread cones are available in standard weights of 8 oz., 2.5 lb. and 20 lb.

Other cone sizes available.

Standard strand sizes are available in 12/4, 12/5, 13/4, 13/5. Other strands available.

### 100% POLYESTER

THREAD SIZE	12/4	12/5	13/4	13/5
TENSILE STRENGTH	15	20	14	17.5
FEET PER POUND	7560	6048	8190	6552

### COMPARISON OF 12/4 AND 12/5 THREAD FOR SPECIFIC BAG SIZES

BAG	12/4	12/4
WIDTH	LBS PER	BAGS PER
INCHES	1000 BAGS	LB
12	0.72	1389
12.5	0.75	1333
13	0.76	1316
13.5	0.77	1299
14	0.80	1250
14.5	0.82	1220
15	0.85	1176
15.5	0.86	1163
16	0.87	1149
16.5	0.90	1111
17	0.91	1099
17.5	0.94	1064
18	0.95	1053
18.5	0.96	1042
19	0.99	1010
19.5	1.01	990
20	1.04	962

BAG	12/5	12/5
WIDTH	LBS PER	BAGS PER
INCHES	1000 BAGS	LB
12	0.91	1099
12.5	0.94	1064
13	0.96	1042
13.5	0.98	1020
14	1.01	990
14.5	1.03	971
15	1.06	943
15.5	1.08	926
16	1.10	909
16.5	1.13	885
17	1.15	870
17.5	1.18	847
18	1.20	833
18.5	1.22	820
19	1.25	800
19.5	1.27	787
20	1.30	769

20.5	1.05	952
21	1.06	943
21.5	1.08	926
22	1.10	909
22.5	1.13	885
23	1.14	877
23.5	1.15	870
24	1.19	840

20.5	1.32	758
21	1.34	746
21.5	1.37	730
22	1.39	719
22.5	1.42	704
23	1.44	694
23.5	1.46	685
24	1.49	671

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