

# Material Weight Chart



Approximate weight lbs/ft. (Based on formula of : diameter x diameter x .34 x specific gravity of material = lbs/ft)

Diameter (inches)	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8
<b>MATERIAL</b>																	
Acetal- <b>ZL 900</b>	0.03	0.05	0.07	0.09	0.12	0.15	0.19	0.27	0.37	0.48	0.61	0.75	0.91	1.08	1.27	1.47	1.69
Nylon 6/6- <b>ZL 250</b>	0.02	0.04	0.05	0.07	0.10	0.12	0.15	0.22	0.30	0.39	0.49	0.61	0.73	0.87	1.02	1.19	1.36
Cast Nylon 6- <b>ZL 1100</b>	0.02	0.04	0.06	0.08	0.10	0.12	0.15	0.22	0.30	0.39	0.50	0.62	0.75	0.89	1.04	1.21	1.39
PET- <b>ZL 1400</b>	0.03	0.05	0.08	0.10	0.13	0.17	0.21	0.30	0.41	0.54	0.68	0.84	1.01	1.21	1.41	1.64	1.88
Ultem- <b>ZL 1000</b>	0.03	0.04	0.06	0.08	0.11	0.14	0.17	0.24	0.33	0.43	0.55	0.67	0.82	0.97	1.14	1.32	1.52
PEEK- <b>ZL 1500</b>	0.03	0.04	0.06	0.09	0.11	0.14	0.17	0.25	0.34	0.45	0.56	0.70	0.84	1.00	1.18	1.36	1.57
Polycarb- <b>ZL 1600</b>	0.03	0.04	0.06	0.08	0.10	0.13	0.16	0.23	0.31	0.41	0.52	0.64	0.77	0.92	1.08	1.25	1.43
Diameter (inches)	2	2 1/8	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/2	4 3/4	5	5 1/2	5 3/4	6	6 1/2
<b>MATERIAL</b>																	
Acetal- <b>ZL 900</b>	1.92	2.16	2.43	3.00	3.63	4.31	5.06	5.87	6.74	7.67	9.71	10.82	11.99	14.50	15.85	17.26	20.25
Nylon 6/6- <b>ZL 250</b>	1.55	1.75	1.96	2.42	2.93	3.49	4.09	4.75	5.45	6.20	7.85	8.75	9.69	11.72	12.82	13.95	
Cast Nylon 6- <b>ZL 1100</b>	1.58	1.78	2.00	2.47	2.98	3.55	4.17	4.83	5.55	6.31	7.99	8.90	9.86	11.93	13.04	14.20	16.66
PET- <b>ZL 1400</b>	2.14	2.42	2.71	3.35	4.05	4.82	5.66	6.56	7.53	8.57	10.85	12.09	13.40	16.21	17.71	19.29	22.64
Ultem- <b>ZL 1000</b>	1.73	1.95	2.19	2.70	3.27	3.89	4.56	5.29	6.07	6.91	8.74	9.74	10.80	13.06	14.28	15.54	
PEEK- <b>ZL 1500</b>	1.78	2.01	2.25	2.78	3.37	4.01	4.70	5.46	6.26	7.13	9.02	10.05	11.14	13.47	14.73	16.03	
Polycarb- <b>ZL 1600</b>	1.63	1.84	2.07	2.55	3.09	3.67	4.31	5.00	5.74	6.53	8.26	9.21	10.20				
Diameter (inches)	6 3/4	7	7 1/2	7 3/4	8	8 1/2	9	9 1/2	10	10 1/2	11	12	13 3/4	15 3/4	19 3/4	20	
<b>MATERIAL</b>																	
Acetal- <b>ZL 900</b>	36.62	39.38	45.21	48.27	51.44	58.07	65.10	72.53	80.37	88.61	97.25	115.73	151.95	199.37	313.49		
Cast Nylon 6- <b>ZL 1100</b>	17.97	19.33	22.19	23.69	25.24	28.50	31.95	35.59	39.44	43.48	47.72	56.79	74.57	97.84	153.84	157.76	
PET- <b>ZL 1400</b>	24.41	26.25	30.14	32.18	34.29												



Approximate weight lbs/sqft. (Based on formula of : thickness x 5.2 x specific gravity of material = lbs/sqft)

Thickness (inches)	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 3/8	2 1/2	2 3/4	3	3 1/4
<b>MATERIAL</b>																	
Acetal- <b>ZL 900</b>	1.83	2.75	3.67	4.58	5.50	6.42	7.33	9.17	11.00	12.83	14.66	16.50	17.41	18.33	20.16	22.00	23.83
Nylon 6/6- <b>ZL 250</b>	1.48	2.22	2.96	3.71	4.45	5.19	5.93	7.41	8.89	10.37	11.86	13.34	14.08	14.82	16.30	17.78	
Cast Nylon 6- <b>ZL 1100</b>	1.51	2.26	3.02	3.77	4.52	5.28	6.03	7.54	9.05	10.56	12.06	13.57	14.33	15.08	16.59	18.10	19.60
PET- <b>ZL 1400</b>	1.79	2.69	3.59	4.49	5.38	6.28	7.18	8.97	10.76	12.56	14.35	16.15	17.04	17.94	19.73	21.53	23.32
Ultem- <b>ZL 1000</b>	1.65	2.48	3.30	4.13	4.95	5.78	6.60	8.26	9.91	11.56	13.21	14.86	15.68	16.51	18.16	19.81	21.46
PEEK- <b>ZL 1500</b>	1.70	2.55	3.41	4.26	5.11	5.96	6.81	8.52	10.22	11.92	13.62	15.33					
Polycarb- <b>ZL 1600</b>	1.56	2.34	3.12	3.90	4.68	5.46	6.24	7.80	9.36	10.92	12.48	14.04	14.82	15.60	17.16	18.72	20.28
Thickness (inches)	3 1/2	3 3/4	4	4 1/4	4 1/2	5	5 1/2	6									
<b>MATERIAL</b>																	
Acetal- <b>ZL 900</b>	25.66	27.50	29.33	31.16	32.99	36.66	40.33	43.99									
Cast Nylon 6- <b>ZL 1100</b>	21.11	22.62	24.13	25.64	27.14	30.16	33.18	36.19									
PET- <b>ZL 1400</b>	25.12	26.91	28.70														
Ultem- <b>ZL 1000</b>	23.11	24.77	26.42	28.07	29.72	33.02											
Polycarb- <b>ZL 1600</b>	21.84	23.40	24.96	26.52	28.08	31.20											

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