



# Clear Cast Acrylic Thin Wall Tubes

## Technical Data



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Sizes of Standard Cast Acrylic Thin Wall Tube Can be found below along with the specific tube weights and Internal Pressure Ratings (Obtained from Standard Circular Theory with a 6 Times safety factor at 25°C - (77°F))

Outside Diameter (mm)	TUBE LENGTH 2.5 METRES (Unless Stated)											
	3mm		4mm		5mm		6mm		8mm		10mm	
	PSI	KG	PSI	KG	PSI	KG	PSI	KG	PSI	KG	PSI	KG
30	375	0.81	545	1.00	750	1.21	-	-	-	-	-	-
40	264	1.06	375	1.32	500	1.67	642	1.94	-	-	-	-
50	204	1.34	285	1.74	375	2.14	473	2.51	-	-	-	-
60	166	1.63	230	2.05	300	2.62	375	3.09	545	3.87	-	-
65	152	1.77	210	2.30	272	2.86	339	3.37	421	4.25	-	-
70	140	1.91	193	2.49	250	3.09	310	3.66	444	4.64	-	-
75	130	2.06	179	2.60	230	3.33	285	3.94	406	4.98	545	6.00
80	121	2.27	166	2.87	214	3.69	264	4.37	375	5.36	500	6.55
90	107	2.49	146	3.16	187	4.05	230	4.80	324	6.11	428	7.57
95	101	2.62	137	3.35	176	4.18	216	4.96	303	6.50	400	7.97
100	95	2.77	130	3.64	166	4.52	204	5.37	285	6.88	375	8.43
105	90	2.91	123	3.72	157	4.74	193	5.66	269	7.24	352	8.79
115	82	3.20	112	4.21	142	5.48	174	6.52	242	7.99	315	9.83
120	78	3.34	107	4.27	136	5.48	166	6.52	230	8.35	300	10.17
128	73	3.57	100	4.69	127	5.86	155	6.97	214	8.96	277	11.03
133	70	3.72	96	4.90	121	6.10	148	7.20	205	9.35	265	11.53
140	67	3.92	90	4.98	115	6.43	140	7.66	193	9.85	250	11.95
150	62	4.20	84	5.54	107	6.91	130	8.23	179	10.59	230	12.92
165 X 59"	56	2.90	76	3.84	96	4.78	117	5.70	161	7.39	206	9.14
180	51	5.06	69	6.66	88	8.34	107	9.95	146	12.83	187	15.92
190 X 48"	48	2.65	65	3.41	83	4.27	101	5.12	137	6.79	176	8.42
200	46	5.63	62	7.20	78	9.29	95	11.09	130	14.33	166	17.56
230	40	6.49	54	8.58	68	10.72	82	12.79	112	16.59	142	20.59
255	36	7.20	48	9.52	61	11.90	74	14.23	100	18.43	127	22.93
280	32	7.91	44	10.13	55	13.10	67	15.67	90	20.29	115	24.94
300	30	8.49	41	10.86	51	14.05	62	16.80	84	21.78	107	27.12

### **NOMINAL OUTSIDE DIAMETER AND TOLERANCE OF CAST TUBES**

O/D dia (mm)		30 - 75	80 - 100	105 - 150	165 - 300
Tolerance	+	0.25	0.38	0.38	0.38
mm	-	0.50	0.75	1.15	1.65
Difference between					
max & min not to exceed		0.635	1.01	1.52	2.03

### **NOMINAL WALL THICKNESS AND TOLERANCES OF CAST TUBES (mm)**

Wall thickness	3mm	4mm	5mm	6mm	8mm	10mm
tolerance mm + or -	0.50	0.50	0.60	0.60	0.80	1.00

