

T01 Alumina Crucibles and Ladles

Applications

- Steel
- Aluminum
- Chromium
- Copper
- Iron
- Manganese
- Silver
- Nickel
- Cobalt-Based Metals



Composition

Al ₂ O ₃	87.7%
SiO ₂	11.6%
Fe ₂ O ₃	0.1%
Na ₂ O	0.3%

Characteristics

Bulk Density	2.84 g/cc
True Specific Gravity	3.43 g/cc
Porosity	16 to 18%
Recommended Temperature Limit	3200°F (1760°C)

Part Numbers/Dimensions—Open Pour Crucibles

Part Number	Description	Weight (lb.)	Top od (in.)	Bottom od (in.)	Height (in.)	Thickness		Vol (in. ³)	lb. steel	
						Wall (in.)	Bottom (in.)		2/3 full	Brimful
728-318-T01	20# crucible	9.0	5.75	5.88	7.75	0.53	0.50	122	23	34
728-319-T01	25# crucible	9.5	5.75	5.88	8.25	0.53	0.50	130	24	37
728-716-T01	29# crucible	9.0	5.62	5.75	9.75	0.35	0.65	167	31	47
728-708-T01	30# crucible	10.0	5.90	6.00	9.82	0.39	0.68	184	34	52
728-969-T01	30# crucible	11.0	5.75	5.88	9.75	0.53	0.50	155	29	44
728-324-T01	30# cruc. w/spout	11.0	5.75	5.88	9.75	0.53	0.50	155	29	44
728-976-T01	35# crucible	11.5	5.94	6.00	10.25	0.50	0.63	180	34	50
728-894-T01	40# crucible	13.0	6.00	6.13	11.62	0.50	0.75	213	40	60
728-896-T01	45# crucible	13.0	6.00	6.13	13.00	0.50	0.75	241	45	68
728-915-T01	50# crucible	16.5	6.50	6.63	11.00	0.63	0.75	217	41	61
728-916-T01	60# crucible	17.5	6.50	6.63	12.00	0.63	0.75	238	44	67
728-970-T01	65# crucible	16.5	6.50	6.63	13.25	0.50	0.63	293	55	82
728-321-T01	75# crucible	18.5	6.50	6.63	15.25	0.50	0.63	340	64	95
728-335-T01	85# crucible	36.0	8.88	9.00	12.50	0.88	1.25	441	82	124
728-721-T01	100# crucible	27.5	8.88	9.00	12.50	0.63	0.88	522	98	147
728-994-T01	100# crucible	23.0	8.00	8.13	14.50	0.50	0.63	524	98	147
728-975-T01	100# crucible	26.0	8.19	8.25	14.00	0.59	0.63	496	93	139
728-996-T01	125# crucible	28.0	8.25	8.38	16.00	0.56	0.75	597	112	168
728-968-T01	150# crucible	33.0	9.00	9.13	14.50	0.63	0.75	638	119	179
728-952-T01	225# crucible	47.0	10.75	10.88	15.00	0.75	1.00	928	174	261
728-995-T01	230# crucible	50.0	10.50	10.63	18.00	0.63	0.75	1128	211	317
728-331-T01	250# crucible	55.0	11.38	11.50	14.38	0.88	1.00	961	180	270
728-971-T01	300# crucible	74.0	12.00	12.13	18.13	0.88	1.13	1369	256	384
728-964-T01	300# crucible	58.0	12.25	12.38	16.50	0.75	0.75	1413	264	397
728-358-T01	300# crucible	75.0	11.38	11.50	20.80	0.88	1.00	1422	266	399

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Open Pour Crucibles (continued from front)

Part Number	Description	Weight (lb.)	Top od (in.)	Bottom od (in.)	Height (in.)	Thickness		Vol (in. ³)	lb. steel	
						Wall (in.)	Bottom (in.)		2/3 full	Brimful
728-972-T01	330# crucible	80.5	12.00	12.13	20.00	0.88	1.13	1520	284	427
728-974-T01	375# crucible	79.0	13.38	13.50	20.00	0.75	1.00	2082	390	584
728-965-T01	385# crucible	70.0	13.38	13.50	20.00	0.63	1.00	2171	406	609
728-947-T01	400# crucible	86.0	13.50	13.63	21.00	0.75	1.00	2215	414	622
728-011-T01	500# crucible	94.0	14.50	14.63	19.75	0.63	1.00	2395	448	672
728-307-T01	500# crucible	125.0	14.25	14.38	23.00	1.00	1.25	2511	470	705
728-966-T01	550# crucible	98.0	14.50	14.63	22.00	0.75	1.00	2734	512	767
728-973-T01	750# crucible	135.0	15.50	15.75	24.00	0.88	1.25	3317	621	931
728-963-T01	1000# crucible	179.0	18.00	18.25	25.00	1.00	1.00	4750	889	1333

Custom sizes available on request.

Part Numbers/Dimensions—Bottom Pour Ladles

Part Number	Description	Weight (lb.)	Top od (in.)	Bottom od (in.)	Height (in.)	Thickness		Vol (in. ³)	lb. steel	
						Wall (in.)	Bottom (in.)		2/3 full	Brimful
728-303-T01	60# BP ladle	17	8.13	6.88	8.25	0.63	0.75	231	43	65
728-315-T01	80# BP ladle	15	7.50	7.25	10.50	0.50	0.50	319	60	90
728-987-T01	150# BP ladle	30	11.25	9.50	11.00	0.75	0.75	636	119	179
728-320-T01	160# BP ladle	29	11.25	9.50	11.00	0.63	0.63	672	126	189
728-317-T01	200# BP ladle	53	12.50	11.00	12.25	0.88	0.88	895	167	251
728-316-T01	600# BP ladle	92	16.38	14.00	17.13	0.88	1.00	2293	429	644
728-334-T01	600# BP ladle	163	18.00	16.25	19.25	1.13	1.25	3184	596	894
728-332-T01	1000# BP ladle	280	21.75	19.63	21.50	1.50	1.50	4987	933	1400

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