

## Yellow Brass

		Composition (% maximum except as indicated)														Sand Cast Mechanical Properties			Pour Temperature		ASTM Casting Standards
Copper Alloy Number	Ingot Number	Cu	Sn	Pb	Zn	Fe	Sb	Ni	Si	Al	Mn	P	S	As	Total Named Elements	Tensile ksi	Yield ksi	Elongation %	Light Castings	Heavy Castings	
<b>C85200</b>	400	70.0-73.0	0.8-1.7	1.5-3.5	21.0-27.0	0.50	0.20	0.8	0.05	0.005		0.01	0.05		99.1	35	12	25	2000-2100	1850-2000	B271, B584, B76
<b>C85400</b>	403	66.0-69.0	0.50-1.5	1.5-3.5	25.0-31.0	0.50		0.8	0.05	0.005					98.9	30	11	20	1950-2100	1850-1950	B271, B584, B76
<b>C854 MOD</b>	403 w/Al	66.0-69.0	0.50-1.5	1.5-3.5	25.0-31.0	0.5		0.8	0.05	0.25-0.60					98.9	30	11	20	1950-2100	1850-1950	
<b>C85500</b>		59.0-63.0	0.2	0.2	balance	0.2		0.2			0.2				99.1	check CDA for typical props					
<b>C85700</b>	405.2	58.0-63.0	0.50-1.5	0.8-1.5	33.0-40.0	0.50		0.8	0.05	0.80					98.7	40	14	15	1950-2150 DC: 1700 - 1800	1850-2000	B271, B176, B584, B763
<b>C85800</b>	405.1	57.0 min	1.5	1.5	31.0-41.0	0.50	0.05	0.50	0.25	0.5	0.25	0.01	0.05	0.05	98.7	check CDA for typical props			1950-2150 DC: 1700 - 1800	1850-2000	B176