

Standard Radiator Alloy Sticks & Ingots Specification

Element	Symbol	20Sn/Pb80	25Sn/Pb75	30Sn/Pb70	35Sn/Pb65	40Sn/Pb60	Lead Free Sn97/Cu3
Tin	Sn	19.5 - 20.5	24.5 - 25.5	29.5 - 30.5	34.5 - 35.5	39.5 - 40.5	Balance
Antimony	Sb	0.5 max	0.5 max	0.5 max	0.5 max	0.5 max	0.05 max
Copper	Cu	0.005 max	0.005 max	0.005 max	0.005 max	0.005 max	2.5 - 3.5
Arsenic	As	0.01 max	0.01 max	0.01 max	0.01 max	0.01 max	0.03 max
Aluminium	Al	0.001 max	0.001 max	0.001 max	0.001 max	0.001 max	0.001 max
Zinc	Zn	0.001 max	0.001 max	0.001 max	0.001 max	0.001 max	0.001 max
Cadmium	Cd	0.005 max	0.005 max	0.005 max	0.005 max	0.005 max	0.002 max
Bismuth	Bi	0.25 max	0.25 max	0.25 max	0.25 max	0.25 max	0.1 max
Iron	Fe	0.02 max	0.02 max	0.02 max	0.02 max	0.02 max	0.02 max
Lead	Pb	Balance	Balance	Balance	Balance	Balance	0.1 max

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