

NOMINAL SPECIFICATION DATA SHEET FOR 60/40 ALLOY

Alloy specification	EN29453 S-Sn60Pb40E	BS219 Grade KP	QQ-S-571E Sn60	J-STD 004 Sn60
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Solidus	183°C	183°C	183°C	183°C
Liquidus	188°C	188°C	188°C	188°C

Alloy Composition

Tin	59.5-60.5	59.0-60.0	59.5-61.5	59.5-60.5
Lead	Remainder	Remainder	Remainder	Remainder
Arsenic (max)	0.01	0.03	0.03	0.03
Bismuth (max)	0.05	0.1	0.25	0.1
Iron (max)	0.02	0.02	0.02	0.02
Copper (max)	0.05	0.08	0.08	0.08
Aluminium (max)	0.001	0.001	0.005	0.005
Cadmium (max)	0.002	0.005	0.001	0.002
Zinc (max)	0.001	0.003	0.005	0.003
Antimony (max)	0.05	0.2	0.5	0.5
Gold (max)	0.005	0.005	0.05	0.05
Nickel (max)	0.005	0.005	0.01	0.01
Silver (max)	0.015	0.015	0.015	0.015

Multicore now manufacture mainly to the EN 29453 specification (which supercedes BS219) and also manufacture to J-STD 004 (supercedes QQ-S-571E)