

Powder metallurgical processing of Sn reinforced Al-Cu-Fe quasicrystals: Structure, microstructure and toughening behaviour

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Supplementary Table (Table S1)

Table S1: Sample designation and processing conditions of IQC-Sn composites.

Sl. No	Sample designation	Processing condition
1	IQC-AA	As-cast followed by annealing at 800°C for 4h
2	IQC-10Sn	IQC-AA reinforced 10 vol% of Sn mechanically milled upto 40 h
3	IQC-20Sn	IQC-AA reinforced 20 vol% of Sn mechanically milled upto 40 h
4	IQC-30Sn	IQC-AA reinforced 30 vol% of Sn mechanically milled upto 40 h
5	IQC-10Sn-PS	Pressure-less sintering of 40 h MM powder of IQC-10Sn at 800°C for 10 h
6	IQC-20Sn-PS	Pressure-less sintering of 40 h MM powder of IQC-20Sn at 800°C for 10 h
7	IQC-30Sn-PS	Pressure-less sintering of 40 h MM powder of IQC-30Sn at 800°C for 10 h
8	IQC-10Sn-HP	Hot pressing of 40 h MM powder of IQC-10Sn at 650°C for 15 min
9	IQC-10Sn-HPA	Annealing of IQC-10Sn-HP sample at 800°C for 4h