

TECHNICAL DATA

Standards

DIN Material Nr. 2.3695

EN ISO 3677 :	S-Sn95Sb5
ASTM B32 :	Sn95Sb5

General Properties / Field of Applications

DSI M Tin Sn95Sb5 is a lead free solder alloy composed of 95% tin (Sn) and 5% antimony (Sb). It is commonly used in industrial applications where high-temperature resistance and mechanical strength are required.

Mechanical Properties

Shear strength	[MPa] / [N/mm ²]	38 - 45
Tensile strength R _m	[MPa] / [N/mm ²]	55 - 62
Hardness	[HB]	15 - 17

Chemical Composition (Standard Values in %)

Sn (Tin)	Sb (Antimony)
95 (%)	5%

Compatible Materials (Selection)

Babbitt bearing repair / Heavy-duty soldering / Motors / Generators / Transformers
High temperature soldering in aerospace electronics / Automotive electronic comp.

Packaging and available Sizes*

Spool :	Ø mm	1.5
Rod : 500 / 1000 mm	Ø mm	- -

* Other dimensions available on request

wires@dsilaser.com