

545Sn EMF

STANDARDS	EN ISO 3677/1995	B-Cu45CuZnSn 640/680
	Abrégé	AG 104
	DIN 8513	L-Ag 45 Sn
	ISO 17672 : 2016	Ag 145

MANUFACTURING SPECIFICATIONS COMPARED TO STANDARD / ISO

Standard values	ISO 17672 : 2016 - Tolerances							STANDARDS
	Ag	Cu	Zn	Sn	Si	Ni	Cd	Code
Composition %	44,0<>46,0	26,0<28,00	23,5<>27,5	2,0<>3,0	0,05<>0,25			Ag 145Si
Dimensions	Diameter : Extrusion +/- 0,3 mm Drawing +/- 3 % – Length +/- 5 mm							

Indicative values of the manufacturing specification / Alliages Industries

Specification Values 545SnEMF	ALLIAGES INDUSTRIES - Tolerances							Spec AI
	Ag	Cu	Zn	Sn	Si	Ni	Cd	Code
Composition %	44,0<>46,0	26,0<28,00	23,5<>27,5	2,0<>3,0	0,05<>0,25			545SnEMF
Dimensions	Diameter : Extrusion +/- 0,2 mm Drawing +/- 3 % – Length +/- 5 mm – Coating : 0,15 mm							

Standard chemically tested in the laboratory in accordance with the ISO 17672 standard.
Excluding dimensional tolerances for products not covered by the standard.

PHYSICAL PROPERTIES	Rm MPa /mm ² 20°C	550
	A % 20°C	25
	Melting interval	640 - 680 °C
	Density.....	9,1

Silicon stabilized alloy, no bubbling. Without Degassing

Manufacturing method Direct extrusion, alloy and flux coating.

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TDS TO DOWNLOAD ON THE [TDS section](#)

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COATING **QUALITY** : MF : M = MINI – F = ACID BORIC FREE) RATIO 76 %

CLEANING : The potassium salts contained in the SF, MF, XF coating are 99.99% dissolved by washing in a very hot alkaline solution used in baths (regularly drained). Dilute abundantly with water. Collect liquids with an absorbent material. It is possible to neutralize these salts with a solution of sodium carbonate diluted 1/5. In this case, do not close hermetically during the operation.

In the event of insufficient removal, these salts remain on the parts, causing whitish stains.

These salts are stable, so there is no hydrolysis and no risk of galvanic corrosion by formation of an electric current

NB: For a lower presence of residues, change to a thinner coating reference such as XF

REGLEMENTATION	CLP (1272/2008)	: <u>Compliant</u>
	Reach	: <u>Compliant</u>
	RoHS/CERoHS	: <u>Compliant</u>
	DESP	: <u>Compliant</u>
	GHS (2007-2011)	: <u>Compliant</u>
	ErP-2009	: <u>Compliant</u>
	Todd Frank	: Complies with this date. (see top of page)

Classification CE N° 1272/2008 CLP

Danger notices : Skin Irrit. 2 Eye Irrit. 2



Symbol : GHS07

H-statements :

H315 – Causes skin irritation. H319 – Causes serious eye irritation.

Contains: Potassium Hydroxide

P-phrases:

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 – Wash hands thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves/protective clothing/eye protection/face protection. P304+P340 - IF INHALED:

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 - Call a POISON CENTER or doctor if you feel unwell.