

Technical Data Sheet

Cobalt Iron Boron (CoFeB) Sputtering Target

Product ID: 27260500ST001 - 27260500ST004

Formula: CoFeB

Molecular weight: /

CAS No.: /

EINECS No.: /

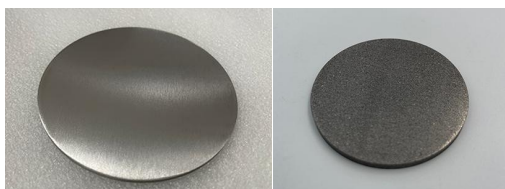
Color: Metallic-grey to dark-grey

Description: Our CoFeB sputtering targets can be customized with different composition ratios, featuring high magnetic permeability, low coercivity, and excellent magnetic uniformity.

Application: Magnetic storage devices (such as MRAM), spintronics, magnetic sensors, microelectronics, and the semiconductor field, etc.

Product

Image:



1. Sizes

Product ID	Formula	Size
27260500ST001	CoFeB (60:20:20at%)	Ø 50.8 mm x 3.175 mm
27260500ST002	CoFeB (60:20:20at%)	Ø 100 mm x 3 mm
27260500ST003	CoFeB (20:60:20at%)	Ø 100 mm x 3 mm
27260500ST004	CoFeB (40:40:20at%)	162.35 mm x 130 mm x 3 mm
27260500STDZ	Customized	Customized

2. Chemical compositions

Composition	Metal impurities (ppm)					
	Si	Ca	Mg	Al	Cu	Cr
CoFeB (60:20:20at%)	≤ 200	≤ 50	≤ 50	≤ 250	≤ 250	≤ 50
CoFeB (20:60:20at%)	≤ 200	≤ 50	≤ 50	≤ 250	≤ 250	≤ 50
CoFeB (40:40:20at%)	≤ 400	≤ 50	≤ 50	≤ 200	≤ 100	≤ 50

Note: The purity values shown are calculated by subtracting the sum of selected measured elemental impurities from 100%. These values do not represent the result of a full elemental analysis.

3. Packaging

Carton/wooden box outer bag.

Double vacuum inner bag.

4. Period of Validity

It is recommended to use this product within 12 months. If it is overdue, the product quality status should be re- evaluated.

5. Handling and Storage

When using, wear a dust mask, ensure proper ventilation, avoid inhalation or skin/eye contact.

Stored in a cool, dry and well-ventilated area, and follow proper procedures for disposal and cleaning to maintain material integrity and safety.

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