

Technical Data Sheet

Nickel Chromium Alloy Sputtering Target

Product ID: 282400ST001 - 282400ST013

Formula: NiCr

Molecular weight: 110.69 g/mol

CAS No.: 11106-97-1

EINECS No.: /

Color: Silver grey

Description: Nickel Chromium sputtering targets offer excellent corrosion resistance, high-temperature oxidation resistance, stable electrical resistivity, and outstanding film adhesion for reliable thin-film deposition.

Application: Used for thin-film deposition in resistive films, semiconductor devices, sensors, heating elements, display technologies, and decorative or protective coatings.

Product

Image:



1. Sizes

Product ID	Formula	Ratio	Size
282400ST001	NiCr (99.8%)	80:20wt%	Ø 50.8 mm x 3.175 mm
282400ST002	NiCr (99.95%)	60:40wt%	Ø 50.8 mm x 6.35 mm
282400ST003	NiCr (99.95%)	80:20wt%	Ø 76.2 mm x 3.175 mm
282400ST004	NiCr (99.8%)	50:50wt%	Ø 76.2 mm x 6.35 mm
282400ST005	NiCr (99.95%)	80:20wt%	Ø 76.2 mm x 6.35 mm
282400ST006	NiCr (99.95%)	80:20wt%	Ø 101.6 mm x 3.175 mm
282400ST007	NiCr (99.8%)	80:20wt%	Ø 101.6 mm x 6.35 mm
282400ST008	NiCr (99.95%)	60:40wt%	Ø 101.6 mm x 6.35 mm
282400ST009	NiCr (99.95%)	50:50wt%	Ø 154.2 mm x 6.35 mm
282400ST010	NiCr (99.95%)	80:20wt%	Ø 203.2 mm x 6.35 mm
282400ST011	NiCr (99.8%)	80:20wt%	381 mm x 127 mm x 13 mm
282400ST012	NiCr (99.95%)	80:20wt%	469.7mm x 125 mm x 10 mm
282400ST013	NiCr (99.95%)	80:20wt%	800 mm x 150 mm x 20mm
282400ST2N8DZ	NiCr (99.8%)	Customized	Customized
282400ST3N5DZ	NiCr (99.95%)	Customized	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)							
	Al	Ti	V	Cr	Fe	Co	Cu	Pb
99.8%	≤ 50	≤ 100	≤ 300	≤ 100	≤ 1000	≤ 100	≤ 200	≤ 50
99.95%	≤ 20	≤ 30	≤ 40	≤ 50	≤ 100	≤ 120	≤ 60	≤ 20

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.
Custom packaging is available.

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

Handle with clean gloves in a clean environment to prevent surface contamination and avoid impact or scratching during installation and use.

Store in the original sealed packaging in a clean, dry environment away from moisture, corrosive substances, and mechanical damage.

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