

Technical Data Sheet

Zirconium Yttrium Alloy Sputtering Target

Product ID: 4003900ST001 - 403900ST004

Formula: ZrY **Molecular weight:** /

CAS No.: / **EINECS No.:** /

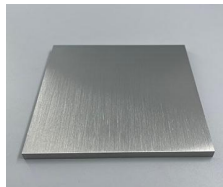
Color: Silver-grey

Description: Our ZrY alloy sputtering targets offer uniform alloy composition and reliable thin-film deposition performance, with customizable Zr/Y ratios including 50/50, 70/30, and 95/5 to meet specific research and industrial requirements.

Application: Used in PVD thin-film deposition for functional coatings, advanced electronic materials, etc.

Product

Image:



1. Sizes

Product ID	Formula	Size
403900ST001	ZrY (50:50 wt%)	Ø 50.8 mm x 3.175 mm
403900ST002	ZrY (70:30 wt%)	Ø 71 mm x 5 mm
403900ST003	ZrY (95:5 wt%)	Ø 101.6 mm x 6.35 mm
403900ST004	ZrY (50:50 wt%)	279 mm x 93 mm x 8mm
403900STDZ	ZrY (Customized)	Customized

2. Chemical compositions

Chemical Compositions (ppm)							
RE Impurities (ppm)							
La	Ce	Pr	Nd	Eu	Gd	Tb	Er
≤ 50	≤ 150	≤ 20	≤ 50	≤ 20	≤ 20	≤ 50	≤ 50
Non-RE Impurities (ppm)							
Ca	Ti	Cu	Mg	Mn	Fe	W	
≤ 800	≤ 100	≤ 100	≤ 100	≤ 100	≤ 300	≤ 1500	

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

Handle with clean gloves and suitable tools to avoid contamination, surface damage, and exposure to moisture.

Store the target in its original sealed packaging in a clean, dry environment, protected from moisture, oxidation, and physical damage..

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