

Product Name: Al-Sc Alloy Sputtering Target



Production Process:

- Vacuum Induction Melting VIM
- Machining with CNC to the dimensions
- Indium bonding to oxygen-free copper backing plate

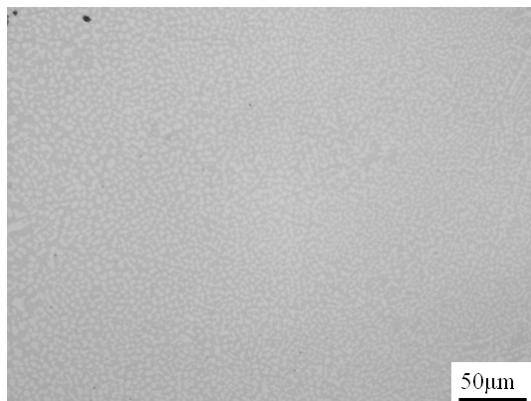
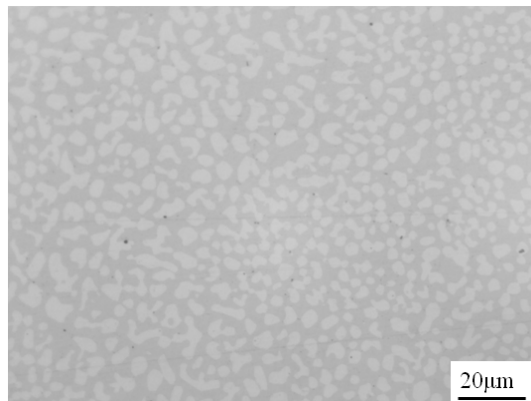
Product Data*

	Actual Results
Composition	Al 44.67at%, Sc 55.33at%
Product Purity	3N5 (99.95%)
Dimensions (mm)	D230 × 8mm

**Other compositions and sizes are available for custom fabrication upon customer's request.*

Impurity Content (ppm)							
Element	Content	Element	Content	Element	Content	Element	Content
La	2.50	Dy	4.20	Si	7	Ni	22
Ce	0.25	Ho	3.20	Ca	82	Cu	114
Pr	0.04	Er	1.10	Ti	24	Zn	7.2
Nd	0.18	Tm	0.23	V	8	W	1.8
Sm	0.33	Yb	0.16	Cr	57	O	387
Eu	0.12	Lu	0.06	Mn	12		
Gd	1.20	Y	2.40	Fe	24		
Tb	7.30	Mg	8.20	Co	10		

Metallographic Micrographs



XRD Data

