

Vanadium Oxide Material/ Sputtering Targets

Vanadium Oxide Sputtering Targets, Pieces and Powders

- ❖ V_2O_3 = Vanadium (III) Oxide
- ❖ VO_2 = Vanadium (IV) Oxide
- ❖ V_2O_5 = Vanadium (V) Oxide

- ✚ **Sputtering Targets**
- ✚ **Standard or Custom sizes**
- ✚ **OFHC Copper Backing Plates**
- ✚ **Solder Bonding**
- ✚ **Pieces and Powders form**



Standard Target Size	Materials Form Available
1.0" dia x 0.125" Thick	Vanadium (V) Oxide, 99.9% , V_2O_5 , 3-12mm pcs (A-45424)
1.0" dia x 0.250" Thick	Vanadium (V) Oxide, 99.99% , V_2O_5 , -22 mesh powder (A-11904)
2.0" dia x 0.125" Thick	Vanadium (V) Oxide, 99.9% , V_2O_5 , -30 mesh powder (C-1193)
2.0" dia x 0.250" Thick	
3.0" dia x 0.125" Thick	
3.0" dia x 0.250" Thick	
<i>Custom sizes available</i>	

Vanadium(V) oxide (*vanadia*) is the chemical compound with the formula V_2O_5 . Commonly known as **vanadium pentoxide**, this orange solid is the most important compound of vanadium. Upon heating it reversibly loses oxygen. Related to this ability, V_2O_5 catalyses several useful aerobic oxidation reactions, the largest scale of which underpins the production of sulfuric acid from sulfur dioxide. It is a poisonous orange solid which, because of its high oxidation state, is both an amphoteric oxide and an oxidizing agent. Unlike most metal oxides, it dissolves slightly in water due to hydrolysis. Vanadium(V) indicates that vanadium is in the +5 oxidation state. The oxygen atoms in the compound are in the -2 oxidation state.

Courtesy of Wikipedia



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