



Anviloy 4200 for Die Casting

Tungsten anviloy 4200 provides a low erosion rate due to its chemical resistance. This occurs because molten aluminum dissolves tool steel. Aluminum does not dissolve tungsten anviloy 4200, therefore you have a longer die life. This means you don't have to change the die or core rods as often which results in less downtime. Die life can be up to 10 times longer with tungsten anviloy.

Properties of Anviloy products have been shown as follows: Tungsten Anviloy 4200

Products	Normal Composition	Density(g/cm3)	UTS(N/mm2)	Hardness (HRC)	Applications
Anviloy 1150	90%W4Mo4Ni2Fe	17.25	965	34	
Anviloy 4200	93%WNiFeMo	17.8	885	30	Extrusion Dies
Anviloy 4000	90%WNiFeMo	17.3	960	32	Die Casting Tools, Extrusion Tools
Anviloy 4100	86%WNiFeMo	16.7	1075	36	Die Casting Tools

Tungsten Anviloy 4200 for die casting has low thermal expansion and high thermal conductivity which are fundamental for heat checking resistanc. The low thermal expansion allows for low thermal stress. A high thermal conductivity reduces the thermal gradients and thereby the thermal stress by cooling the casting faster.



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Anviloy 4200 Heat resistance: After carbon, tungsten has the highest melting point of all elements of 3422 °C. It has a boiling point of around 5,700 °C. With these properties, the metal can withstand high temperatures and smelting and in addition has a very low coefficient of thermal expansion.

Anviloy 4200 Resistance: Tungsten also has high resistance to acids. Even hydrofluoric acid and aqua regia are hardly able to attack tungsten at room temperature

Shanghai Katalor Enterprises Co., Ltd is a standard company specialized in producing and exporting Anviloy 4200. We have our own Anviloy 4200 factory and if you need the Anviloy 4200, we can manufacture for you. If you need the competitive Anviloy 4200 price, please don't hesitate to contact with our sales person.

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