

MISCHMETAL

Properties

Mischmetal is an alloy of rare earth metals primarily containing the elements Cerium, Lanthanum, Neodymium and Praseodymium.

As an extremely reactive substance it readily forms compounds with a large number of elements.

Application

- Stainless steel
- Tool steel
- Sphaero-casting
- Casting alloys
- Vacuum alloys
- Battery alloys
- Magnesium alloys
- Galfan[®]-alloys
- Lamps



Chemical analysis

	Standard	Special quality
Total Rare Earth Metals (TREM)	min. 98 %	min. 99,0 %
Fe	1,0 %	0,3 %
Mg	0,8 %	0,1 %
Ce	min. 47,0 %	min. 47,0 %
La, Pr, Nd	balance	balance

Physical parameters

Density	6,5 g/cm ³
Melting point	ca. 800°C

Standard form/size

- Trapezoids – approx. 30 g, 50 g, 100 g, 250 g, 500 g

Special forms/sizes

- Rods
Diameter 40 mm, length min. 60 mm (500 g), max. 390 mm (3.200 g)
- Rods
Diameter 10 mm, length min. 10 mm (5 g), max. 2 m (1.000 g)
- Bars
20 x 20 mm, length min. 13 mm (30 g), max. 400 mm (1.000 g)
- Doughnuts
approx. 10 kgs und ca. 20 kgs
- Wire
Diameter min. 2,3 mm to 4 mm
- Powder

- **Special qualities and forms on request.**

Packing

- Drums
- Other packing on request