

# SILICON TITANIUM

GfE Spec.

2000 066

## Alloy

SiTi 60:40

## Application

Masteralloy for adding Silicon to Titanium alloys

## Production method

Vacuum induction melting and casting

## Quality

Material 100%

a) visually inspected

b) magnetically separated

## Size

< 0.8 mm = -20 mesh or to customer's requirements

## Packaging

In sealed steel drums

## Composition

	spec. (wt. %)
Si	58-62
Ti	38-42
C	max. 0.1
Cr	max. 0.1
Cu	max. 0.05
Fe	max. 0.4
Mn	max. 0.05
Mo	max. 0.15
W	max. 0.15
N	max. 0.04
O	max. 0.1

## Physical Data

Melting temperature	1550 °C
	2822 °F
Solidus/liquidus point	1350/1600 °C
	2462/2912 °F
True density	3.7 g/cm <sup>3</sup>
Bulk density	1.9 g/cm <sup>3</sup>