



ཡོ་རྒྱུ་ཐེ་རོ་ཨོ་ལོ་འི་ས་སྤེ་ཚད་འཛིན།
UGEN FERRO ALLOYS PVT. LTD.
PHUENTSHOLING : BHUTAN

PRODUCT DATASHEET: FERRO SILICON (FeSi)

ABOUT:

Ferrosilicon (FeSi) is an iron-silicon alloy extensively used in the steelmaking industry for its deoxidizing and alloying properties. It plays a crucial role in enhancing the strength, hardness, durability, and overall performance of steel.

The most commonly used grade, FeSi70, contains approximately 70% silicon, though silicon content in ferrosilicon can range from 15% to 90%, depending on the specific application. It's main applications are in the steel industry, foundries and in producing magnesium

Ferrosilicon is produced in Submerged Arc Furnaces (SAF) by reducing silica (SiO_2) with coke in the presence of iron, usually sourced from steel scrap or iron ore. It is typically available in metallic grey lumps.

SPECIFICATIONS:

GRADE	Si (%) Min.	Al (%) Max.	C (%) Max.	S (%) Max.	P (%) Max.	Size	Packing
FeSi 75	75	1.5	0.15	0.05	0.05	As per Requirement	1 MT Jumbo Bag/ 40 KG Jute Bag
FeSi 72	72	1.5	0.15	0.05	0.05	As per Requirement	1 MT Jumbo Bag/ 40 KG Jute Bag
FeSi73Al25	70	2.5	0.15	0.05	0.05	As per Requirement	1 MT Jumbo Bag/ 40 KG Jute Bag
FeSi65Al10	65	1	0.15	0.05	0.05	As per Requirement	1 MT Jumbo Bag/ 40 KG Jute Bag
FeSi65Al30	65	3	0.35	0.05	0.05	As per Requirement	1 MT Jumbo Bag/ 40 KG Jute Bag
FeSi48	45	1	0.15	0.05	0.05	As per Requirement	1 MT Jumbo Bag/ 40 KG Jute Bag

The information provided in this data sheet is based on established engineering practices and is believed to be accurate and reliable. However, as the conditions under which our products are applied and used are beyond our control, we make no warranties—express or implied—regarding the accuracy of the data, the outcomes from product use, or the potential for patent infringement. This information is supplied with the understanding that users will conduct their own tests to assess the product's suitability for their specific applications.