

SPECIFICATION

Ferro Silicon Nitride

1. PHYSICAL PROPERTIES

1.1. Grain Size Distribution, dry method:

SIEVES (A STM)	MINIMUM (%)	MAXIMUM (%)
140 (0,106 mm)	5,0	12,0
200 (0,075 mm)	5,0	12,0
325 (0,045 mm)	10,0	20,0
Fines	55,0	--

2. CHEMICAL ANALISYS – MINEROLOGICAL COMPOSITION – X-RAY DIFFRACTION

2.1. Specification:

ELEMENTS	MINIMUM (%)	MAXIMUM (%)
α Si ₄ N ₃	-	23,0
β Si ₄ N ₃	59	82,0
Si ₄ N ₃ - TOTAL	75	82,0
Si ₂ ON ₂	-	1,50
SiO ₂ crist	-	1,45
SiO ₂ amophous	-	1,50
Si	-	0,60
Fe	14,0	18,0

2.2 MONITORING:

ELEMENTS	MINIMUM (%)	MAXIMUM (%)
Ca	-	1,50
Ti	-	0,15
Al	-	1,60

. PACKING:

- .1. Big Bags of 1000kg.