



Technical Data Sheet

WE-S100.25

Chemical Analysis

Test Name	Unit	Typical value	Specification
Fe (Iron)	wt%	99.37	≥99.00
C (Carbon)	wt%	0.007	≤0.015
Si (Silicon)	wt%	0.047	≤0.100
Mn (Manganese)	wt%	0.078	≤0.100
P (Phosphorus)	wt%	0.006	≤0.010
S (Sulfur)	wt%	0.004	≤0.012
O-tot (Total Oxygen)	wt%	0.18	≤0.300

Physical Analysis

Test Name	Unit	Typical value	Specification
Apparent Density (Hall)	g/cm ³	2.56	2.40-2.60
Flow (Hall)	s/50 g	33.00	≤35
Green Density @ 490 MPa	g/cm ³	6.71	≥6.60

Sieve Analysis

Test Name	Unit	Typical value	Specification
+150um	wt%	0.00	≤3
75-150um	wt%	44.20	30-50
45-75um	wt%	35.50	bal.
-45um	wt%	20.30	20-35