



## Technical Data Sheet

**PM-100.29**

### Chemical Analysis

Test Name	Unit	Typical value	Specification
Fe (Iron )	wt%	99.57	≥99.5
C (Carbon )	wt%	0.005	≤0.01
Si (Silicon)	wt%	0.03	≤0.05
Mn (Manganese )	wt%	0.11	≤0.15
P (Phosphorus)	wt%	0.011	≤0.015
S (Sulfur )	wt%	0.007	≤0.015
HL (Hydrogen loss)	wt%	0.12	≤0.20
Acid insoluble	wt%	0.08	≤0.15

### Physical Analysis

Test Name	Unit	Typical value	Specification
Apparent Density (Hall)	g/cm <sup>3</sup>	3.05	2.95-3.10
Flow (Hall)	s/50 g	25.00	≤28
Green Density @ 600 MPa	g/cm <sup>3</sup>	7.18	≥7.13

### Sieve Analysis

Test Name	Unit	Typical value	Specification
+180um	wt%	0	≤1
150-180um	wt%	Trace	≤10
106-150um	wt%	22	bal.
75-106um	wt%	27	bal.
45-75um	wt%	28	bal.
-45um	wt%	23	15-30