



# Technical Data Sheet

**PM-100.29H**

## 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	≤0.04
Mn (Manganese )	wt%	0.1	≤0.12
P (Phosphorus)	wt%	0.011	≤0.012
S (Sulfur )	wt%	0.005	≤0.012
HL (Hydrogen loss)	wt%	0.12	≤0.12
Acid insoluble	wt%	0.09	≤0.15

## Physical Analysis

Test Name	Unit	Typical value	Specification
Apparent Density (Hall)	g/cm <sup>3</sup>	3.03	2.95-3.10
Flow (Hall)	s/50 g	25	≤28
Green Density @ 600 MPa	g/cm <sup>3</sup>	7.21	≥7.2

## Sieve Analysis

Test Name	Unit	Typical value	Specification
+180um	wt%	Trace	≤1
150-180um	wt%	2	≤10
106-150um	wt%	17	bal.
75-106um	wt%	22	bal.
45-75um	wt%	30	bal.
-45um	wt%	29	15-30

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