



# Technical Data Sheet

**PM-100.28**

<b>Chemical Analysis</b>			
<b>Test Name</b>	<b>Unit</b>	<b>Typical value</b>	<b>Specification</b>
Fe (Iron )	wt%	99.57	≥99
C (Carbon )	wt%	0.005	≤0.01
Si (Silicon)	wt%	0.03	≤0.05
Mn (Manganese )	wt%	0.11	≤0.15
P (Phosphorus)	wt%	0.01	≤0.015
S (Sulfur )	wt%	0.006	≤0.015
HL (Hydrogen loss)	wt%	0.14	≤0.20
Acid insoluble	wt%	0.08	≤0.15
<b>Physical Analysis</b>			
<b>Test Name</b>	<b>Unit</b>	<b>Typical value</b>	<b>Specification</b>
Apparent Density (Hall)	g/cm <sup>3</sup>	2.87	2.80-3.95
Flow (Hall)	s/50 g	28.8	≤33
Green Density @ 600 MPa	g/cm <sup>3</sup>	7.15	≥7.10
<b>Sieve Analysis</b>			
<b>Test Name</b>	<b>Unit</b>	<b>Typical value</b>	<b>Specification</b>
+180um	wt%	0	≤1
150-180um	wt%	3	≤10
106-150um	wt%	24	bal.
75-106um	wt%	24	bal.
45-75um	wt%	22	bal.
-45um	wt%	27	15-30