



## Technical Data Sheet

**PMS100.27**

<b>Chemical Analysis</b>			
<b>Test Name</b>	<b>Unit</b>	<b>Typical value</b>	<b>Specification</b>
Fe (Iron )	wt%	99.34	≥99.00
C (Carbon )	wt%	0.003	≤0.015
Si (Silicon)	wt%	0.046	≤0.100
Mn (Manganese )	wt%	0.020	≤0.100
P (Phosphorus)	wt%	0.011	≤0.015
S (Sulfur )	wt%	0.005	≤0.012
HL (Hydrogen loss)	wt%	0.180	≤0.350
Acid insoluble	wt%	0.150	≤0.350
<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>	2.67	2.60-2.80
Flow (Hall)	s/50 g	32.00	≤33
Green Density @ 490 MPa	g/cm <sup>3</sup>	6.66	≥6.65
<b>Sieve Analysis</b>			
<b>Test Name</b>	<b>Unit</b>	<b>Typical value</b>	<b>Specification</b>
+150um	wt%	0.40	≤3
75-150um	wt%	49.90	30-50
45-75um	wt%	25.50	bal.
-45um	wt%	24.10	20-35