



## Technical Data Sheet

**PMS100.24**

<b>Chemical Analysis</b>			
<b>Test Name</b>	<b>Unit</b>	<b>Typical value</b>	<b>Specification</b>
Fe (Iron )	wt%	99.37	≥98.5
C (Carbon )	wt%	0.007	≤0.02
Si (Silicon)	wt%	0.047	≤0.05
Mn (Manganese )	wt%	0.078	≤0.10
P (Phosphorus)	wt%	0.006	≤0.015
S (Sulfur )	wt%	0.004	≤0.015
O-tot (Total Oxygen )	wt%	0.18	≤0.30
<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>	2.42	2.30-2.50
Flow (Hall)	s/50 g	33.00	≤35
Green Density @ 600 MPa	g/cm <sup>3</sup>	6.71	≥6.60
<b>Sieve Analysis</b>			
<b>Test Name</b>	<b>Unit</b>	<b>Typical value</b>	<b>Specification</b>
+150um	wt%	0.00	≤3
75-150um	wt%	44.20	bal.
45-75um	wt%	35.50	bal.
-45um	wt%	20.30	10-30