



## Technical Data Sheet

**PMR100.25**

<b>Chemical Analysis</b>			
<b>Test Name</b>	<b>Unit</b>	<b>Typical value</b>	<b>Specification</b>
Fe (Iron )	wt%	98.550	≥98.50
C (Carbon )	wt%	0.021	≤0.03
Si (Silicon)	wt%	0.100	≤0.12
Mn (Manganese )	wt%	0.310	≤0.35
P (Phosphorus)	wt%	0.015	≤0.020
S (Sulfur )	wt%	0.029	≤0.030
HL (Hydrogen loss)	wt%	0.210	≤0.35
Acid insoluble	wt%	0.170	≤0.35
<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>	2.52	2.40-2.65
Flow (Hall)	s/50 g	32.60	≤35
Green Density @ 600 MPa	g/cm <sup>3</sup>	6.74	≥6.60
<b>Sieve Analysis</b>			
<b>Test Name</b>	<b>Unit</b>	<b>Typical value</b>	<b>Specification</b>
+180um	wt%	0	0
150-180um	wt%	1.40	≤35
105-150um	wt%	22.80	bal.
75-105um	wt%	24.40	bal.
45-75um	wt%	26.70	bal.
-45um	wt%	24.70	10-30