



## Technical Data Sheet

**PMR80.23**

<b>Chemical Analysis</b>			
<b>Test Name</b>	<b>Unit</b>	<b>Typical value</b>	<b>Specification</b>
Fe (Iron )	wt%	98.540	≥97.00
C (Carbon )	wt%	0.006	≤0.10
Si (Silicon)	wt%	0.170	≤0.30
Mn (Manganese )	wt%	0.300	≤0.70
P (Phosphorus)	wt%	0.017	≤0.040
S (Sulfur )	wt%	0.016	≤0.060
HL (Hydrogen loss)	wt%	0.200	≤0.80
<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>	2.360	2.20-2.45
Flow (Hall)	s/50 g	35.600	≤36
Green Density @ 480 MPa	g/cm <sup>3</sup>	6.730	≥6.20
<b>Sieve Analysis</b>			
<b>Test Name</b>	<b>Unit</b>	<b>Typical value</b>	<b>Specification</b>
+180um	wt%	0.000	≤3.0
150-180um	wt%	5.900	bal.
105-150um	wt%	25.700	bal.
75-105um	wt%	24.600	bal.
45-75um	wt%	23.500	bal.
-45um	wt%	20.300	15-25