



## Technical Data Sheet

**PMR80.27**

<b>Chemical Analysis</b>			
<b>Test Name</b>	<b>Unit</b>	<b>Typical value</b>	<b>Specification</b>
Fe (Iron )	wt%	98.160	≥98.00
C (Carbon )	wt%	0.004	≤0.03
Si (Silicon)	wt%	0.140	≤0.15
Mn (Manganese )	wt%	0.390	≤0.40
P (Phosphorus)	wt%	0.016	≤0.020
S (Sulfur )	wt%	0.012	≤0.030
HL (Hydrogen loss)	wt%	0.300	≤0.40
<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>	2.70	2.65-2.80
Flow (Hall)	s/50 g	31.80	≤34
Green Density @ 600 MPa	g/cm <sup>3</sup>	6.73	≥6.6
<b>Sieve Analysis</b>			
<b>Test Name</b>	<b>Unit</b>	<b>Typical value</b>	<b>Specification</b>
+180um	wt%	0.10	≤5
150-180um	wt%	1.70	bal.
105-150um	wt%	21.90	bal.
75-105um	wt%	25.40	bal.
45-75um	wt%	27.60	bal.
-45um	wt%	23.30	5-25