



## Technical Data Sheet

**PMR80.20**

<b>Chemical Analysis</b>			
<b>Test Name</b>	<b>Unit</b>	<b>Typical value</b>	<b>Specification</b>
Fe (Iron )	wt%	98.020	≥98
C (Carbon )	wt%	0.009	≤0.05
Si (Silicon)	wt%	0.130	≤0.15
Mn (Manganese )	wt%	0.250	≤0.40
P (Phosphorus)	wt%	0.013	≤0.02
S (Sulfur )	wt%	0.017	≤0.03
HL (Hydrogen loss)	wt%	0.210	≤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>	2.050	1.95-2.15
Flow (Hall)	s/50 g	44.000	≤45
Green Density @ 490 MPa	g/cm <sup>3</sup>	7.000	≥6.50
<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%	1.800	bal.
105-150um	wt%	28.500	bal.
75-105um	wt%	22.600	bal.
45-75um	wt%	22.000	bal.
-45um	wt%	25.100	15-35