



# Technical Data Sheet

**PM-100.29A4**

<b>Chemical Analysis</b>			
<b>Test Name</b>	<b>Unit</b>	<b>Typical value</b>	<b>Specification</b>
C (Carbon )	wt%	0.002	≤0.02
Si (Silicon)	wt%	0.03	≤0.05
Mn (Manganese )	wt%	0.45	0.35-0.55
P (Phosphorus)	wt%	0.012	≤0.02
S (Sulfur )	wt%	0.01	≤0.02
HL(Hydrogen loss)	wt%	0.13	≤0.25
Ni (Nickel)	wt%	1.48	1.30-1.55
Mo (Molybdenum)	wt%	1.3	1.15-1.40
<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>	2.98	2.9-3.20
Flow (Hall)	s/50 g	27.1	≤28
Green Density @ 600 MPa	g/cm <sup>3</sup>	6.99	≥6.65
<b>Sieve Analysis</b>			
<b>Test Name</b>	<b>Unit</b>	<b>Typical value</b>	<b>Specification</b>
+180um	wt%	0	≤1
150-180um	wt%	Trace	≤10
106-150um	wt%	22	bal.
75-106um	wt%	26	bal.
45-75um	wt%	29	bal.
-45um	wt%	23	15-30