



# Technical Data Sheet

**PM-100.29D3**

<b>Chemical Analysis</b>			
<b>Test Name</b>	<b>Unit</b>	<b>Typical value</b>	<b>Specification</b>
C (Carbon )	wt%	0.003	≤0.015
Si (Silicon)	wt%	0.03	≤0.05
Mn (Manganese )	wt%	0.09	≤0.15
P (Phosphorus)	wt%	0.011	≤0.015
S (Sulfur )	wt%	0.006	≤0.015
Mo (Molybdenum)	wt%	1.37	1.30-1.60
Ni (Nickel)	wt%	3.83	3.80-4.20
Cu (Copper)	wt%	2	1.80-2.20
HL (Hydrogen loss)	wt%	0.08	≤0.15
<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>	3.08	3.00-3.30
Flow (Hall)	s/50 g	26	≤30
Green Density @ 600 MPa	g/cm <sup>3</sup>	7.13	≥7.00
<b>Sieve Analysis</b>			
<b>Test Name</b>	<b>Unit</b>	<b>Typical value</b>	<b>Specification</b>
180-200um	wt%	0	≤1
150-180um	wt%	1	≤10
106-150um	wt%	22	bal.
75-106um	wt%	24	bal.
45-75um	wt%	27	bal.
-45um	wt%	26	10-30