



Technical Data Sheet

PMS100.23

Chemical Analysis			
Test Name	Unit	Typical value	Specification
Fe (Iron)	wt%	99.380	≥99.00
C (Carbon)	wt%	0.007	≤0.015
Si (Silicon)	wt%	0.050	≤0.100
Mn (Manganese)	wt%	0.041	≤0.100
P (Phosphorus)	wt%	0.005	≤0.010
S (Sulfur)	wt%	0.005	≤0.012
HL (Hydrogen loss)	wt%	0.250	≤0.400
Physical Analysis			
Test Name	Unit	Typical value	Specification
Apparent Density (Hall)	g/cm ³	2.32	2.20-2.40
Flow (Hall)	s/50 g	35.00	≤35
Green Density @ 600 MPa	g/cm ³	6.60	≥6.58
Sieve Analysis			
Test Name	Unit	Typical value	Specification
+150um	wt%	3.50	≤5
75-150um	wt%	40.20	30-50
45-75um	wt%	26.20	bal.
-45um	wt%	30.10	20-35