



Technical Data Sheet

PMR100.23

Chemical Analysis

Test Name	Unit	Typical value	Specification
Fe (Iron)	wt%	99.38	≥98.5
C (Carbon)	wt%	0.003	≤0.015
Si (Silicon)	wt%	0.053	≤0.15
Mn (Manganese)	wt%	0.044	≤0.15
P (Phosphorus)	wt%	0.008	≤0.015
S (Sulfur)	wt%	0.002	≤0.015
O-tot (Total Oxygen)	wt%	0.150	≤0.25

Physical Analysis

Test Name	Unit	Typical value	Specification
Apparent Density (Hall)	g/cm ³	2.31	2.20-2.40
Flow (Hall)	s/50 g	35.00	≤40
Green Density @ 490 MPa	g/cm ³	6.66	≥6.60

Sieve Analysis

Test Name	Unit	Typical value	Specification
+150um	wt%	0.40	≤5
105-150um	wt%	20.50	bal.
75-105um	wt%	25.40	bal.
45-75um	wt%	26.50	bal.
-45um	wt%	27.20	10-30