



Technical Data Sheet

PMR100.27

Chemical Analysis			
Test Name	Unit	Typical value	Specification
Fe (Iron)	wt%	98.560	≥98.50
C (Carbon)	wt%	0.004	≤0.03
Si (Silicon)	wt%	0.120	≤0.12
Mn (Manganese)	wt%	0.340	≤0.35
P (Phosphorus)	wt%	0.015	≤0.020
S (Sulfur)	wt%	0.008	≤0.030
HL (Hydrogen loss)	wt%	0.190	≤0.25
Physical Analysis			
Test Name	Unit	Typical value	Specification
Apparent Density (Hall)	g/cm ³	2.75	2.65-2.80
Flow (Hall)	s/50 g	29.70	≤30
Green Density @ 490 MPa	g/cm ³	6.76	≥6.70
Sieve Analysis			
Test Name	Unit	Typical value	Specification
+180um	wt%	0	0
150-180um	wt%	1.30	≤5
105-150um	wt%	22.40	bal.
75-105um	wt%	25.90	bal.
45-75um	wt%	28.20	bal.
-45um	wt%	22.20	5-30

