



Technical Data Sheet

PMR80.22

Chemical Analysis			
Test Name	Unit	Typical value	Specification
Fe (Iron)	wt%	98.020	≥98
C (Carbon)	wt%	0.009	≤0.05
Si (Silicon)	wt%	0.130	≤0.15
Mn (Manganese)	wt%	0.250	≤0.40
P (Phosphorus)	wt%	0.013	≤0.02
S (Sulfur)	wt%	0.017	≤0.03
HL (Hydrogen loss)	wt%	0.210	≤0.40
Physical Analysis			
Test Name	Unit	Typical value	Specification
Apparent Density (Hall)	g/cm ³	2.060	1.95-2.15
Flow (Hall)	s/50 g	43.800	≤45
Green Density @ 480 MPa	g/cm ³	6.700	≥6.50
Sieve Analysis			
Test Name	Unit	Typical value	Specification
+180um	wt%	0.000	≤3.0
150-180um	wt%	1.800	bal.
105-150um	wt%	28.500	bal.
75-105um	wt%	22.600	bal.
45-75um	wt%	22.000	bal.
-45um	wt%	25.100	15-35