

Free cutting steel powder

Chemical Analysis

PM-100.29S2

PM-100.29S1

Test Name	Unit	Typical Value	
Fe (Iron)	wt%	99.16	
C (Carbon)	wt%	0.006	
Si (Silicon)	wt%	0.03	
Mn (Manganese)	wt%	0.21	
P (Phosphorus)	wt%	0.011	
S (Sulfur)	wt%	0.37	
HL (Hydrogen loss)	wt%	-	-
O (Oxygen)	wt%	0.17	
Acid insoluble	wt%	0.07	
Cr(Chromium)	wt%	-	-
Mo (Molybdenum)	wt%	-	-
Ni (Nickel)	wt%	-	-
Co (Cobalt)	wt%	-	-
Cu(Copper)	wt%	-	-

Physical Analysis

Apparent Density (Hall)	g/cm ³	2.99	
Flow (Hall)	s/50 g	27.6	
Green Density @ 600 MPa	g/cm ³	6.74	

Sieve Analysis

+180um	wt%	Trace	
150-180um	wt%	4	
106-150um	wt%	20	
75-106um	wt%	28	
45-75um	wt%	26	
-45um	wt%	22	