

Molybdenum alloyed powder grades

Chemical Analysis

Test Name	Unit	PM-60Mo	PM-90Mo	PM-150Mo
		Typical Value		
C (Carbon)	wt%	0.003	0.005	0.004
Si (Silicon)	wt%	0.03	0.03	0.03
Mn (Manganese)	wt%	0.14	0.1	0.1
P (Phosphorus)	wt%	0.011	0.01	0.011
S (Sulfur)	wt%	0.005	0.007	0.006
HL (Hydrogen loss)	wt%	0.1	0.11	0.1
Cr(Chromium)	wt%	-	-	-
Mo (Molybdenum)	wt%	0.54	0.84	1.45
Ni (Nickel)	wt%	-	-	-
Co (Cobalt)	wt%	-	-	-
Cu(Copper)	wt%	-	-	-

Physical Analysis

Apparent Density (Hall)	g/cm ³	2.99	3.0	3.02
Flow (Hall)	s/50 g	25.9	27.8	26.8
Green Density @ 600 MPa	g/cm ³	7.14	7.13	7.07

Sieve Analysis

+180um	wt%	0	0	0
150-180um	wt%	4	3	3
106-150um	wt%	20	22	22
75-106um	wt%	26	29	29
45-75um	wt%	27	25	25
-45um	wt%	23	21	21