

QUEBEC METAL POWDERS LIMITED

SPECIFICATION

(TEMPORARY *)

GRADE: ATOMET 4001

PROPERTIES	SPECIFICATIONS		METHOD		
	Min.	Max.			
Apparent density, g/cm ³	2,85	3,00	ISO 3923-1		
Flow, s / 50g	-----	30	ISO 4490		
<u>SCREEN ANALYSIS, (% BY WEIGHT)</u>					
U.S. MESH	MICRONS				
+60		+250	-----	Trace	ISO 4497
-60 +100		-250 +150	-----	18,0	ISO 4497
-325		-45	15,0	35,0	ISO 4497
<u>CHEMICAL ANALYSIS, (% BY WEIGHT)</u>					
Carbon	-----	0,010	ASTM E 1019		
Oxygen	-----	0,15	ASTM E 1019		
Sulphur	-----	0,014	ASTM E 322		
Manganese	0,10	0,18	ASTM E 322		
Molybdenum	0,48	0,58	ASTM E 322		
<u>COMPACTING PROPERTIES, (1)</u>					
Compacting pressure at 600 MPa, (MPa)	7,05	-----	ISO 3927		
Green strength at 600 MPa, (MPa)	13,0	-----	ISO 3995		

NOTES:

(1) Test mix: Fe + 0.75 Wax.

*** Temporary. To be re-evaluated after ~ 40 lots.**

Spec/ev/general/4001met

Rev.:01

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C. Charest