

QUEBEC METAL POWDERS LIMITED

SPECIFICATION

GRADE: **ATOMET 1001**

PROPERTIES	SPECIFICATIONS		METHOD
	Min.	Max.	
Apparent density, (g/cm ³)	2,85	3,00	ISO 3923-1
Flow, (s / 50g)	----	30	ISO 4490
<u>PARTICLE SIZE ANALYSIS, (% BY WEIGHT)</u>			
	<u>U.S. MESH</u>	<u>MICRONS</u>	
	+60	+250	
	-60 +100	-250 +150	Trace
	-100 +325	-150 +45	20,0
	-325	-45	15,0
			35,0
			ISO 4497
			ISO 4497
			ISO 4497
			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 1019
Manganese	0.15	0.22	ASTM E 322
<u>COMPACTING PROPERTIES, (1)</u>			
Green density at 600 MPa, (g/cm ³)	7,00	----	ISO 3927
Green strength at 600 MPa, (MPa)	14,0	----	ISO 3995

(1) Test mix: Fe - 0.75 % Wax.

Spec/EV/general/1001met.xls
Rev.:04
2009-09-22
A. Lacombe