

QUEBEC METAL POWDERS LIMITED

SPECIFICATION

GRADE: **ATOMET 1001HP**

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	Trace
	-60 +100	-250 +150	25,0
	-100 +325	-150 +45	----
	-325	-45	10,0 30,0
<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	----	0.10	ASTM E 322
<u>COMPACTING PROPERTIES. (1)</u>			
Green density at 600 MPa, (g/cm ³)	7,10	----	ISO 3927
Green strength at 600 MPa, (MPa)	13,0	----	ISO 3995

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

Spec/EV/generalmetric/1001hpmet
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A. Lacombe