

QUEBEC METAL POWDERS LIMITED

SPECIFICATION

GRADE: ATOMET 4401

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>U.S. MESH</u>	<u>MICRONS</u>	
	+60	+250	
-60	+100	-250	+150
	-325	-45	
		15.0	35.0
		Trace	
			18,0
			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	0.12	0.20	ASTM E 322
Molybdenum	0.80	0.90	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)	13,0		ISO 3995

Notes:

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

Spec/EV/general/4401met.xls
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