

QUEBEC METAL POWDERS LIMITED

SPECIFICATION

(Temporary *)

GRADE: **ATOMET 22**

PROPERTIES	SPECIFICATIONS		METHOD
	Min.	Max.	
Apparent density, (g/cm ³)	2.35	2.55	ISO 3923-1
Flow, (s / 50g)	-----	36	ISO 4490
<u>SCREEN ANALYSIS OF IRON POWDER, (% BY WEIGHT)</u>			
	<u>U.S. MESH</u>	<u>MICRONS</u>	
	+60	+250	----- 0.1 ISO 4497
	-60 +70	-250 +212	----- 0.2 ISO 4497
	-70 +100	-212 +150	----- 12.0 ISO 4497
	-325	-45	10.0 30.0 ISO 4497
<u>CHEMICAL ANALYSIS OF IRON POWDER, (% BY WEIGHT)</u>			
Carbon	-----	0.10	ASTM E 1019
Oxygen	-----	0.30	ASTM E 1019
Sulphur	-----	0.014	ASTM E 1019
<u>COMPACTING PROPERTIES (1)</u>			
Green density at 420 Mpa, (g/cm ³)	6.35	-----	ISO 3927
Green strength at 420 Mpa, (Mpa)	13.0	-----	ISO 3995

(1) Test mix: Fe - 0.75 Wax. * Tentative limits to be re-evaluated.

Spec/EV/general/22met.xls

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A. Lacombe