QUEBEC METAL POWDERS LIMITED

SPECIFICATION

(TEMPORARY *)

GRADE: ATOMET 4801

PROPERTIES			SPECIFICATIONS		METHOD
			Min.	**Max.**	
Apparent density, (g/cm³)			2,85	3,00	ISO 3923-1
Flow, (s / 50g)			-----	30	ISO 4490
PARTICLE SIZE ANALYSIS, (% BY WEIGHT)					
U.S. MESH		MICRONS			
	+60		+250	-----	Trace	ISO 4497
-60	+100	-250	+150	-----	15,0	ISO 4497
-325		-45		15,0	35,0	ISO 4497
CHEMICAL ANALYSIS, (% BY WEIGHT)					
Carbon				-----	0.010	ASTM E 1019
Oxygen				-----	0.20	ASTM E 1019
Sulphur				-----	0,020	ASTM E 1019
Manganese				-----	0.20	ASTM E 322
Molybdenum				0.50	0.60	ASTM E 322
Nickel				3,80	4,20	ASTM E 322
COMPACTING PROPERTIES (1)					
Green density at 600 MPa, (g/cm³)				6,75	-----	ISO 3927
Green strength at 600 MPa, (MPa)				12,0	-----	ISO 3995

Notes:

(1) Test mix: Fe - 0.6 C - 0.75 ZnSt.

*** Tentative limits. To be re-evaluated.**

Spec/EV/general/4801met.xls

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A. Lacombe