QUEBEC METAL POWDERS LIMITED

SPECIFICATION

GRADE: ATOMET 4701

PROPERTIES				SPECIFICATIONS		METHOD
				Min.	**Max.**	
Apparent density, (g/cm³)				2,90	3,05	ISO 3923-1
Flow, (s / 50g)				-----	30	ISO 4490
SCREEN ANALYSIS, (% BY WEIGHT)						
U.S. MESH		MICRONS				
	+60		+250	-----	Trace	ISO 4497
-60	+100	-250	+150	-----	18,0	ISO 4497
-100	+325	-150	+45	-----	-----	ISO 4497
-325		-45		15.0	35.0	ISO 4497
CHEMICAL ANALYSIS, (% BY WEIGHT)						
Carbon				-----	0.030	ASTM E 1019
Oxygen				-----	0.30	ASTM E 1019
Sulphur				-----	0.014	ASTM E 1019
Manganese				0.40	0.50	ASTM E 322
Molybdenum				0,95	1,05	ASTM E 322
Nickel				0,85	0,95	ASTM E 322
Chromium				0,40	0,50	ASTM E 322
COMPACTING PROPERTIES (1)						
Green density at 600 MPa, (g/cm³)				6,80	-----	ISO 3927
Green strength at 600 MPa, (MPa)				11,0	-----	ISO 3995

NOTES:

(1) Test mix : Fe - 0.75 Wax.

ATOMET 4701 is protected by US patent # 5,876,481 and others.

Spec/EV/general/4701met.xls
Rev.:03
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