

# QUEBEC METAL POWDERS LIMITED

## SPECIFICATION

**GRADE:**      **ATOMET 25**

PROPERTIES	SPECIFICATIONS		METHOD
	Min.	Max.	
Apparent density, (g/cm <sup>3</sup> )	2,50	2,60	ISO 3923-1
Flow, (s / 50g)	-----	32	ISO 4490
<b><u>PARTICLE SIZE ANALYSIS, (% BY WEIGHT)</u></b>			
	<u>U.S. MESH</u>	<u>MICRONS</u>	
	+60	+250	
	-60 +70	-250 +212	----- 0,1 ISO 4497
	-70 +100	-212 +150	----- 0,2 ISO 4497
	-325	-45	----- 5,0 ISO 4497
		25,0	40,0 ISO 4497
<b><u>CHEMICAL ANALYSIS, (% BY WEIGHT)</u></b>			
Carbon	-----	0.10	ASTM E 1019
Oxygen	-----	0.25	ASTM E 1019
Sulphur	-----	0.014	ASTM E 1019
<b><u>COMPACTING PROPERTIES, (1)</u></b>			
Green density at 420 MPa, (g/cm <sup>3</sup> )	6,45	-----	ISO 3927
Green strength at 420 MPa, (MPa)	13,0	-----	ISO 3995

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

Spec/EV/general/25met.xls

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