

QUEBEC METAL POWDERS LIMITED

SPECIFICATION

GRADE: **ATOMET 29**

PROPERTIES	SPECIFICATIONS		METHOD
	Min.	Max.	
Apparent density, (g/cm ³)	2,90	3,00	ISO 3923-1
Flow, (s / 50g)	-----	30	ISO 4490
<u>PARTICLE SIZE ANALYSIS, (% BY WEIGHT)</u>			
	<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	----- 12,0 ISO 4497
			15,0 30,0 ISO 4497
<u>CHEMICAL ANALYSIS, (% BY WEIGHT)</u>			
Carbon	-----	0.10	ASTM E 1019
Oxygen	-----	0.25	ASTM E 1019
Sulphur	-----	0.014	ASTM E 1019
<u>COMPACTING PROPERTIES</u> ⁽¹⁾			
Green density at 600 MPa, (g/cm ³)	6,90	-----	ISO 3927
Green strength at 600 MPa, (MPa)	17,0	-----	ISO 3995

(1) Test mix : Fe - 0,75 Wax

Spec/EV/general/29met.xls

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