



Advantage Metal Powders, Inc.
 44 Spleen Road
 Ridgway, PA 15853
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LABORATORY DATA SHEET

CUSTOMER : ADVANTAGE METAL POWDERS
 44 SPLEEN RD
 RIDGWAY, PA 15853

DATE: 04/22/2016
 LOT NUMBER: 30229
 MPIF#: FN-0205
 CUSTOMER CODE: AMP-5.5
 REVISION:
 QUANTITY: 3,017.00
 PACKAGING: 3000 BULK GLUED
 PO NUMBER:

ATTENTION:


PHYSICAL PROPERTIES	COMPOSITION %	CHEMICAL ANALYSIS %		
		ACTUAL	MIN	MAX
SCREEN ANALYSIS - MESH%	100.000% AMP REMILL			
+20 0.0	0.000%			
+40 0.0	2.000% NICKEL			
+60 0.2	0.500% GRAPHITE			
+80 4.4	0.750% LUBE			
+100 7.2	0.000%			
+140 18.3	0.000%			
+200 22.0	0.000%			
+325 26.1	0.000%			
-325 21.8	0.000%			
TOTAL 100.0				
				FE
				TOTAL CARBON
				MOLYBDENUM
			0.582	CARBON
				SINT CARBON
				PHOSPHOROUS
			0.017	SULFUR
				CHROME
			0.730	LUBRICANT
				COPPER
				NICKEL
				ZINC ST.
				TIN
				ZINC
				MANGANESE
ACTUAL MIN MAX				
AD 3.21 0.00 0.00				
FLOW 29.40 0.00				

GREEN PROPERTIES

	ACTUAL	MIN	MAX
COMPACTING PRESSURE (TSI)	34.0	0.0	0.0
GREEN DENSITY (G/CC)	6.79	0.00	0.00
GREEN STRENGTH (PSI)	1,304.00	0.00	0.00

SINTERED PROPERTIES

	ACTUAL	MIN	MAX
SINTERED DENSITY (G/CC)	6.75	0.00	0.00
DIMENSIONAL CHANGE (%)	0.14	0.12	0.22
TRS (PSI)	102,012	0	0
HARDNESS (HRB)	69	0	0
TEMPERATURE (F)	2,050		
ATMOSPHERE	100% N2		
TIME (MIN)	20		

SIGNED : 
 Kristie Brumberg