

LABORATORY DATA SHEET

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

DATE: 01/08/2019
LOT NO: 39840
MPIF#: FN-0205
CUST CODE: AMP-5.5
REVISION:
QUANTITY: 52.00
PACKAGING: 50 LB PAIL
PO NUMBER:

PHYSICAL PROPERTIES		COMPOSITION %		CHEMICAL ANALYSIS %		
				<u>ACTUAL</u>	<u>MIN</u>	<u>MAX</u>
SCREEN ANALYSIS - MESH%		96.750% AMP REMILL				
+60	0.5	0.000%				
+100	12.0	2.000% NICKEL				
+325	67.6	0.500% GRAPHITE				
-325	19.9	0.750% LUBE				
TOTAL	100.0	0.000%				
		0.000%				
		0.000%				
		0.000%				
		0.000%				
		0.000%				
		0.000%				
		0.000%				
		0.000%				
		0.000%				
		0.000%				
<u>ACTUAL</u>	<u>MIN</u>	<u>MAX</u>				
AD	3.22	0.00				
FLOW	29.60	0.00				
				FE		
				TOTAL CARBON		
				MOLYBDENUM		
				CARBON	0.500	
				SINT CARBON		
				PHOSPHOROUS		
				SULFUR	0.027	
				CHROME		
				LUBRICANT	0.733	
				COPPER		
				NICKEL		
				ZINC ST.		
				TIN		
				FLOGARD		
				MANGANESE		
				COBALT		

GREEN PROPERTIES

	<u>ACTUAL</u>	<u>MIN</u>	<u>MAX</u>
COMPACTING PRESSURE (TSI) :	33.6	0.0	0.0
GREEN DENSITY (G/CC) :	6.85	0.00	0.00
GREEN STRENGTH (PSI) :	1,208.00	0.00	0.00

SINTERED PROPERTIES

	<u>ACTUAL</u>	<u>MIN</u>	<u>MAX</u>
SINTERED DENSITY (G/CC) :	6.81	0.00	0.00
DIMENSIONAL CHANGE (%) :	0.14	0.12	0.22
TRS (PSI) :	104,248	0	0
HARDNESS (HRB) :	72	0	0

TEMPERATURE (F) : 2,050
ATMOSPHERE : 100% N2
TIME (MIN) : 20

SIGNED :



01/08/2019

Nicholas Tomblin
Lab Supervisor

DATE SIGNED