



HOEGANAES

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Certificate of Analysis

Customer	SINTERGY INC	Lot No.	7045200004
Material	STY-302 H	Weight	10000 lb
PO No.	EMAIL T.G.	Ref. Std.	7045200002
Date Certified	2025-JUN-26	Date Printed	2025-JUN-26

Premix Formulation

Ingredient	wt %
Ancorsteel 1000C	97.64
Ni Powder	1.25
Graphite	0.60
EBS Lubricant	0.50
Sulfur	0.02

Physical Analysis

Test Name	Result	Unit	Specification
Apparent Density (Hall)	3.02	g/cm ³	
Flow (Hall)	32.2	sec / 50 g	

Chemical Analysis

Test Name	Result	Unit	Specification
Carbon (C)	0.585	wt %	
Nickel (Ni)	1.15	wt %	

Sintered Properties

Test Name	Result	Unit	Specification
Compacting Pressure	54500	psi	
Dimensional Change (from Die)	0.15	%	
Dimensional Change (from Die) DFS	0.00	%	

Sinter Parameters

Time	30 min	Test Green Density	6.80 g/cm ³
Temperature	2050 ° F		
Atmosphere	75%H2-25%N2 vol %		

Remarks

We certify our raw materials are Heavy Metal Free, RoHS, REACH, GADSL, Proposition 65, PAH, and 3TG Conflict Material Free compliant

Certificate Approval

The product has been tested and found to meet all of the above requirements.



Dominic Antonuccio, QC Lab Supervisor